

Search Summary

Query : (((International Conference on Electronic Business 2021) WN ALL)) AND ((({ca} OR {cp}) WN DT) AND ({international consortium for electronic business} WN PN)))

Type : Expert

Results : 70

Database(s) : Compendex

Downloaded : 4/12/2022

1. Proceedings of the 21st International Conference on Electronic Business: "Corporate Resilience through Electronic Business in the Post-COVID Era", ICEB 2021

Accession number: 20220911724367

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)

Volume: 21

Part number: 1 of 1

Issue title: Proceedings of the 21st International Conference on Electronic Business: "Corporate Resilience through Electronic Business in the Post-COVID Era", ICEB 2021

Issue date: 2021

Publication year: 2021

Language: English

ISSN: 16830040

Document type: Conference proceeding (CP)

Conference name: 21st International Conference on Electronic Business: Corporate Resilience through Electronic Business in the Post-COVID Era, ICEB 2021

Conference date: December 3, 2021 - December 7, 2021

Conference location: Virtual, Online, China

Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: The proceedings contain 69 papers. The topics discussed include: a model on energy power management of air-recirculation in a clean room; an empirical study on consumption intention of virtual tour streaming; factors influencing continuance intention to use online learning management system platform; online learning vs. offline learning in an MIS course: learning outcomes, readiness, and suggestions for the post-COVID-19 world; supporting learning and working in disastrous pandemics by smart technologies: a qualitative analysis; factors affecting the consumers' purchase intention and willingness-to-pay more for electric-vehicle technology; and customer-centered and technology-enabled homecare service: opportunities for value creation.

Abstract type: (Edited Abstract)

Page count: 655

Database: Compendex

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Data Provider: Engineering Village

2. Research on Credit Evaluation System of E-business Enterprises from The Perspective of Organizational Resilience Theory

Accession number: 20220911724347

Authors: Zhao, Junhong (1); Chen, Sixuan (1)

Author affiliation: (1) Nanjing University of Science and Technology, China

Corresponding author: Chen, Sixuan(sxchen@njust.edu.cn)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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ISSN: 16830040

Document type: Conference article (CA)

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Conference date: December 3, 2021 - December 7, 2021

Conference location: Virtual, Online, China

Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: With the rapid development of the electronic business industry and the widespread of information technology, the credit issue of e-business enterprises becomes more and more important. Traditional e-business

credit evaluation focuses on the accumulation of transaction credit. However, the widespread phenomenon of credit brushing leads to the deviation of credit evaluation of e-business enterprises. To improve the effectiveness of the credit evaluation system, this study introduced resilience-related indicators which represent the dynamic capability and sustainability of enterprises into the credit evaluation system. According to the organizational resilience theory, we capture e-business enterprises' credit from three dimensions: basic ability symbols, transaction process, and consumer feedback toward transaction outcomes. The potential influence of integrity grade, repeat purchase rate, return rate, and customer satisfaction were considered to mitigate the influence of deception on a credit evaluation. Combined with the analytic hierarchy process, this study constructed an adjusted credit evaluation model of e-business enterprises from the perspective of organizational resilience and tested the model with data from the Alibaba website. Fifteen considerable women's clothing e-business enterprises were selected for credit comparison. Results show that the top enterprise mainly had advantages over other enterprises in terms of the high repeat purchase rate, low return rate, and high consumer satisfaction. Theoretically, our study contributes to enriching the credit evaluation model of e-business enterprises and making an extension on the application of organizational resilience theory. In addition, these findings are helpful to optimize the effectiveness of credit evaluation of e-business enterprises, provide practical implications for e-business enterprises by identifying the key indicators to improve their credit in the uncertain trading environment, and reduce the transaction risk of e-business platforms. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 30

Main heading: Analytic hierarchy process

Controlled terms: Cluster analysis - Customer satisfaction - Electronic commerce - Sales - Sustainable development

Uncontrolled terms: Business enterprise - Business industry - Credit evaluation model - Credit evaluations - E-business - eBusiness - Organisational - Organizational resilience theory - Purchase rates - Repeat purchase

Classification code: 723 Computer Software, Data Handling and Applications

Computer Software, Data Handling and Applications

- 723.5 Computer Applications

Computer Applications

- 961 Systems Science

Systems Science

Funding Details: Number: 2020SJA0025, Acronym: -, Sponsor: -; Number: 72002095, Acronym: -, Sponsor: Natural Science Foundation of Jiangsu Province; Number: 30921012203, Acronym: -, Sponsor: Fundamental Research Funds for the Central Universities;

Funding text: This work is partially supported by the Natural Science Foundation projects (Grant No. 72002095) in China, the Fundamental Research Funds for the Central Universities (Grant No. 30921012203) in China, and the General Project of Philosophy and Social Science of Jiangsu Universities (Grant No. 2020SJA0025) in China.

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

3. The effect of blockchain on customer-to-customer electronic commerce

Accession number: 20220911724606

Authors: Megerdichian, Nazeli (1); Abdolvand, Neda (1); Harandi, Saeedeh Rajaei (1)

Author affiliation: (1) Department of Management, Faculty of Social Sciences and Economics, Alzahra University, Tehran, Iran

Corresponding author: Abdolvand, Neda(n.abdolvand@alzahra.ac.ir)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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Conference date: December 3, 2021 - December 7, 2021

Conference location: Virtual, Online, China

Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: The popularity of the Internet and e-business has led more people to online shopping, especially customer-to-customer (C2C) electronic commerce (e-commerce). However, C2C e-commerce faces challenges such as security, product and vendor trust, and more. One of the most important solutions to such problems is the use of decentralized and distributed technologies such as blockchain, which play an important role in identifying, verifying, and validating data, developing information security, and creating transparency and trust in a business. Therefore, this study uses a qualitative method to investigate the effect of blockchain on C2C e-commerce. After conducting the conceptual study, the experiences of experts in this field were used through semi-structured interviews. The data from the interviews were then coded and analyzed. Finally, 12 conceptual codes were extracted. Due to the high frequency of the transparency code, other concepts were studied around this axis and based on it. According to the results, strategies such as transparency, trust, and legal barriers were more important in using blockchain in C2C e-commerce, respectively. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 47

Main heading: Transparency

Controlled terms: Blockchain - Electronic commerce - Sales - Security of data

Uncontrolled terms: Block-chain - Customer-to-customer electronic commerce - Decentralised - Distributed technologies - E- commerces - eBusiness - Online shopping - Security - Security products - Trust

Classification code: 723.2 Data Processing and Image Processing

Data Processing and Image Processing

- 723.3 Database Systems

Database Systems

- 723.5 Computer Applications

Computer Applications

- 741.1 Light/Optics

Light/Optics

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

4. Success factors of chat commerce in Thailand: An emerging e-business platform in the post covid era

Accession number: 20220911724361

Authors: Rattanawicha, Pimmanee (1); Boonpatcharanon, Sawitree (1); Jongtavornvitaya, Chaiyasut (1);

Mongkolnavin, Janjao (1)

Author affiliation: (1) Chulalongkorn University, Thailand

Corresponding author: Rattanawicha, Pimmanee(pimmanee@cbs.chula.ac.th)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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Volume: 21

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ISSN: 16830040

Document type: Conference article (CA)

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Conference date: December 3, 2021 - December 7, 2021

Conference location: Virtual, Online, China

Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: In Thailand, conversation commerce or chat commerce is one of the successful E-business platforms emerging in the Post COVID era. Hence, the objective of this study is to examine six factors that may lead to the success of chat commerce. These six factors are (1) Perceived Ease of Use, (2) Perceived Usefulness, (3) Compatibility, (4) Subjective Norms, (5) Trust, and (6) Attitude towards chat commerce. It also aims to study the differences of these factors across four generations; (1) Baby Boomer, (2) Gen X, (3) Gen Y, and (4) Gen Z. The data is collected from 253 respondents via Google Forms with 182 respondents having chat commerce experiences. It is found from statistical analyses on the collected data that perceived ease of use and perceived usefulness of chat commerce receive the highest average scores from respondents from all four generations, while trust in chat commerce receives the lowest average score. Moreover, Gen Z respondents give higher average scores of all six factors than respondents from other generations. The results of this study provide us with a better understanding of why Thai people in each generation enjoy using chat commerce. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 11

Main heading: Electronic commerce

Uncontrolled terms: Attitude - Chat commerce - Compatibility - E-business platforms - Perceived ease-of-use - Perceived usefulness - Subjective norm - Success factors - Thailand - Trust

Classification code: 723.5 Computer Applications

Computer Applications

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

5. Factors influencing restaurants on selecting food delivery applications

Accession number: 20220911724623

Authors: Petin, Norathep (1); Rotchanakitumnuat, Siriluck (1)

Author affiliation: (1) Thammasat University, Bangkok, Thailand

Corresponding author: Petin, Norathep(Norathep-pet62@tbs.tu.ac.th)

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Volume: 21

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Issue date: 2021

Publication year: 2021

Pages: 189-196

Language: English

ISSN: 16830040

Document type: Conference article (CA)

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Conference date: December 3, 2021 - December 7, 2021

Conference location: Virtual, Online, China

Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: The purpose of this thesis is to study factors influencing restaurants on selecting food delivery applications. This is quantitative research that adapts the Unified theory of acceptance and use of technology: UTAUT, factors from past research, and new factors, which are a business partner and the innovation expectations, all of these factors are used as a guideline for the research. This research studies a sample group of restaurant owners that use or have used food delivery applications for their business. The size of this sample group is 259 restaurant owners, the information is gathered by using an online poll, and the information is then analyzed by a program to see the relations of each factor according to the theory and guideline. The result of the research indicates that relative advantage, business partners, Innovation Expectations, and trust in provider all directly influence the intention of using food delivery applications, while performance expectancy, Effort Expectancy, social influence, and Attitude Toward Use and Technology do not influence the intention of using food delivery applications. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 36

Main heading: Economic and social effects

Controlled terms: Electronic commerce - Group theory

Uncontrolled terms: Business partners - Food delivery - Innovation expectation - Partner - Performance
- Quantitative research - Research studies - Social influence - The unified theory of acceptance and use of technology(UTAUT) - UTAUT

Classification code: 723.5 Computer Applications

Computer Applications

- 921.1 Algebra

Algebra

- 921.4 Combinatorial Mathematics, Includes Graph Theory, Set Theory

Combinatorial Mathematics, Includes Graph Theory, Set Theory

- 971 Social Sciences

Social Sciences

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

6. The effect of transport amenities on customer satisfaction: An empirical study from the online travel community

Accession number: 20220911724616

Authors: Sun, Xiyang (1); Fang, Jiaming (1); Hossin, Md Altab (1)

Author affiliation: (1) University of Electronic Science and Technology of China, China

Corresponding author: Fang, Jiaming(jmfang@uestc.edu.cn)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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Volume: 21

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Issue date: 2021

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Conference date: December 3, 2021 - December 7, 2021

Conference location: Virtual, Online, China

Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: Few studies thus far have examined add-on services associated with mitigating hotel location disadvantages. Drawing on the Elaboration Likelihood Model, we in this study consider the variety of transport amenities as a peripheral cue and propose an econometric model that explores the impact of the transport amenities on customer satisfaction. We estimate the model using 187447 reviews assembled from a well-known online travel community in China. The results show that the variety of transport amenities has a significant positive impact on customer satisfaction. Furthermore, we find that the travelers' type and transport convenience have a moderating effect on this relationship. From the perspective of the three-factor theory, we further reveal that the transport amenity is a basic factor for business travelers but an excitement factor for leisure travelers. A variety of robustness tests show that the conclusion of this study is robust. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 77

Main heading: Customer satisfaction

Controlled terms: Electronic commerce - Leisure - Sales

Uncontrolled terms: Business travellers - Customers' satisfaction - Econometric modelling - Elaboration likelihood models - Empirical studies - Moderating effect - Online travel communities - Service variety - Three-factor theory - Transport amenity

Classification code: 723.5 Computer Applications

Computer Applications

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

7. Understanding user engagement in online communities during covid-19 pandemic: Evidence from sentiment and semantic analysis on YouTube

Accession number: 20220911724632

Authors: Li, Chenyang (1); Xie, Mingze (1); Wang, May (1)

Author affiliation: (1) Beijing Normal University-Hong Kong Baptist University, United International College, Zhuhai, China

Corresponding author: Wang, May(ywang@uic.edu.cn)

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Issue title: Proceedings of the 21st International Conference on Electronic Business: "Corporate Resilience through Electronic Business in the Post-COVID Era", ICEB 2021

Issue date: 2021

Publication year: 2021

Pages: 651-656

Language: English

ISSN: 16830040

Document type: Conference article (CA)

Conference name: 21st International Conference on Electronic Business: Corporate Resilience through Electronic Business in the Post-COVID Era, ICEB 2021

Conference date: December 3, 2021 - December 7, 2021

Conference location: Virtual, Online, China

Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: Since the outbreak of COVID-19, the pandemic has changed the lives of many people and brought dramatic emotional experiences. Among many social media platforms, YouTube saw the most significant growth of any social media app among American users during the pandemic, according to the Pew Research Center on 7th April 2021. Exposure to COVID-19 related news can have a significant impact on user engagement on social networks. Different news may trigger different emotions (i.e., anger, anticipation, disgust, fear, joy, sadness, surprise, or trust), and a user may engage differently in response to the news. On YouTube, user engagement is manifested through actions such as liking, disliking, commenting, or sharing videos. During the pandemic, many users provide constructive comments that are encouraging, respectful, and informative to support each other. We applied sentiment analysis in the study to investigate different emotions and applied semantic analysis to investigate positive appraisal (i.e., encouraging, respectful, and informative) to identify salient factors that can motivate user engagement. The findings of the work shed light on how social network platforms could encourage constructive comments to help people provide emotional support to each other during pandemics through using positive appraisal in online news comments. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 9

Main heading: Sentiment analysis

Controlled terms: Electronic commerce - Semantics - Social networking (online)

Uncontrolled terms: COVID-19 - Emotional supports - Network platforms - Research center - Semantic analysis - Sentiment analysis - Social media - Social media platforms - User engagement - YouTube

Classification code: 723 Computer Software, Data Handling and Applications

Computer Software, Data Handling and Applications

- 723.2 Data Processing and Image Processing

Data Processing and Image Processing

- 723.5 Computer Applications

Computer Applications

Funding Details: Number: A1067, Acronym: -, Sponsor: Bard College Student Government;

Funding text: This work is supported by the college student research grant (Grant No. A1067).

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

8. Influencing generation Z's kansei demand for new tea purchase decision and satisfaction —research based on kansei engineering

Accession number: 20220911724615

Authors: Ye, XinKe (1); Li, Fei (1); Li, YaLing (1)

Author affiliation: (1) Hohai University, Nanjing, China

Corresponding author: Ye, XinKe(aqsw147258@qq.com)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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ISSN: 16830040

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Conference date: December 3, 2021 - December 7, 2021

Conference location: Virtual, Online, China

Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: New tea has entered a prosperous period in China. In this promising market, its main consumer group is Generation Z, which has attracted extensive attention in recent years. Generation Z has distinctive ideas and behavior characteristics in brand recognition, social media, and platform utilization, and their subjective feelings about products directly affect their consumption behavior. In this paper, based on the theory of Kansei Engineering and from both linear and nonlinear levels, this paper uses multiple linear regression and KANO model to study the Kansei demand that affects generation Z's purchasing decisions and satisfaction in the new tea market and gives some suggestions to the current market based on the research results. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 21

Main heading: Multiple linear regression

Controlled terms: Electronic commerce

Uncontrolled terms: Behavior characteristic - Brand recognition - Generation Z - KANO model - Kansei Engineering - Main consumers - Medium utilization - New tea - Purchase decision - Social media

Classification code: 723.5 Computer Applications

Computer Applications

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

9. Research on the influencing factors of users' willingness to pay for knowledge in the context of virtual brand community

Accession number: 20220911724639

Authors: Tang, Yun (1); Yang, Yongzhong (1)

Author affiliation: (1) Sichuan University, China

Corresponding author: Yang, Yongzhong(yangyongzhong116@163.com)

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Conference location: Virtual, Online, China

Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: With the rapid development of the mobile Internet, the knowledge payment market has developed rapidly. Due to the short development time, community operators lack an in-depth understanding of user behavior. There are still many problems to solve, like knowledge convergence and poor service. Based on this background, this research combines the Technology Acceptance Model with the D&M information systems success model and incorporates the perceived value theory, Community identity theory, and so on, to construct a research model of user's intention to participate in knowledge payment in the context of virtual brand community. The study found that user community experience factors can significantly affect personal perception, while users' personal perception, such as perceived usefulness and perceived playfulness, can affect users' recognition of the community and thus affect their willingness to pay. Finally, this study puts forward suggestions for the operation managers of the knowledge-paid community. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 25

Main heading: Behavioral research

Controlled terms: Electronic commerce

Uncontrolled terms: Community identities - Community identity theory - Development time - In-depth understanding - Knowledge payment - Mobile Internet - Personal perception - User behaviors - Virtual brand communities - Willingness to pay

Classification code: 461.4 Ergonomics and Human Factors Engineering

Ergonomics and Human Factors Engineering

- 723.5 Computer Applications

Computer Applications

- 971 Social Sciences

Social Sciences

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

10. The impact of platform social responsibility on consumer trust

Accession number: 20220911724351

Authors: Yang, Yaqi (1); Jia, Qiong (1); Zhao, Ya (1)

Author affiliation: (1) Hohai University, China

Corresponding author: Jia, Qiong(jiaqionghit@163.com)

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Conference date: December 3, 2021 - December 7, 2021

Conference location: Virtual, Online, China

Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: The concept of social responsibility has been widely applied incorporates business philosophy to gain the trust of consumers. With the rise of two-side platforms, platforms have popped up the limelight along with the hot topic of the "sharing economy." Despite this, we do not know much about the underlying mechanisms of consumer trust. A questionnaire survey was conducted with 263 consumers from China to explore the consequences of platform social responsibility on consumer trust. The results demonstrate that the implementation of social responsibility by platforms significantly increases consumer trust. Additionally, consumer confusion plays a mediating effect, and platform network externality plays a moderating role. Briefly, the platform does not play a dominant role in regulating supply and demand as we might think since the consciousness of consumer groups is rising. Their autonomy to collect information and make decisions after perception cannot be ignored. The study shows that sharing economy platforms should take their social responsibilities into consideration, rather than taking them as a subsidiary role. Platforms should see consumer trust as a key end rather than a means to promote profits. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 22

Main heading: Lime

Controlled terms: Economic and social effects - Electronic commerce - Surveys

Uncontrolled terms: Consumer confusion - Consumer trust - Hot topics - Mediating effect - Network externality - Perceived risk - Platform social responsibility - Questionnaire surveys - Social responsibilities - WOM substantiveness

Classification code: 723.5 Computer Applications

Computer Applications

- 804.2 Inorganic Compounds

Inorganic Compounds

- 971 Social Sciences

Social Sciences

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

11. The effect of digital literacy and external information on market competition fear: An empirical study on fresh food consumption in China

Accession number: 20220911724620

Authors: Liang, Xiaobei (1); Zhang, Diyue (1); Meng, Hu (1)

Author affiliation: (1) School of Economics and Management, Tongji University, Shanghai, China

Corresponding author: Meng, Hu(menghu@tongji.edu.cn)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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Conference location: Virtual, Online, China

Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: The emergence of market competition fear is a new social phenomenon due to technological innovations and is worth studying. This paper explored the causes of market competition fear as well as the effect of digital literacy and external information channels on it. Data was collected from China by offline survey, and empirical analysis was used for hypotheses testing. The result shows that some specific competences of digital literacy have a negative impact on market competition fear. On the other hand, diverse external information channels have a positive impact on market competition fear, while the information from official news media can weaken fear. These findings confirmed that

market competition fear exists in digital transformation. This paper can help to understand market competition fear and have positive practical significance for the government. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 29

Main heading: Competition

Controlled terms: Electronic commerce - Food supply

Uncontrolled terms: Digital literacies - Empirical studies - External information channel - External informations - Food consumption - Fresh food - Information channels - Market competition - Market competition fear - Technological innovation

Classification code: 723.5 Computer Applications

Computer Applications

- 822.3 Food Products

Food Products

- 911.2 Industrial Economics

Industrial Economics

Funding Details: Number: 20AZD059, Acronym: NPOPSS, Sponsor: National Office for Philosophy and Social Sciences;

Funding text: This work was supported by the National Social Science Fund of China under Grant 20AZD059. The authors declare no conflict of interest. The first two authors, Liang and Zhang, contributed equally to this work and should be considered co-first authors.

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

12. The effect of motives on enterprise social network usage

Accession number: 20220911724630

Authors: Deyalage, Piruni A. (1); Kulathunga, Dushyantha (1)

Author affiliation: (1) University of Sri Jayewardenepura, Sri Lanka

Corresponding author: Deyalage, Piruni A.(piruni@sjp.ac.lk)

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Conference location: Virtual, Online, China

Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: Enterprise Social Networks (ESNs) have brought revolutionary changes to business organizations as they offer enormous potential to enhance collaboration, interaction, innovation, and efficiency. However, despite these benefits, many organizations have failed to encourage their employees to actively engage with ESNs, making their investment decisions questionable. Therefore, this study focused on examining the motivations to use ESNs. A comprehensive literature review was conducted to identify the gratifications motivating the employees to use ESNs. Accordingly, information sharing, self-documentation, entertainment, and social interaction were identified as the gratifications driving the employees to use ESNs at work. Data were collected from 146 employees in the software industry who use ESNs at work through an online survey-based structured questionnaire, and data analysis was performed using partial least square based structural equation modeling using SmartPLS. The results revealed that amongst the four gratifications examined in this study, information sharing, self-documentation, and social interaction have positive and significant effects on ESN use. The findings of the study have both theoretical and practical implications. Because the studies examining the gratifications driving ESN use are scarce, the present study

helps to fill the existing knowledge gap in this context. This is especially significant in the Sri Lankan context. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 33

Main heading: Information analysis

Controlled terms: Electronic commerce - Information dissemination - Investments - Motivation - Software engineering - Surveys

Uncontrolled terms: Enterprise social network - Gratification - Information sharing - Motive - Network usage - Revolutionary changes - Self documentation - Social interactions - Sri Lanka - Uses and gratifications theories

Classification code: 723.1 Computer Programming

Computer Programming

- 723.5 Computer Applications

Computer Applications

- 903.1 Information Sources and Analysis

Information Sources and Analysis

- 903.2 Information Dissemination

Information Dissemination

- 912.4 Personnel

Personnel

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

13. The more engaged, the more generous: Examining the influence of viewers' engagement on their gifting behavior in live streaming services

Accession number: 20220911724636

Authors: Li, Yixuan (1); Yen, Benjamin (1)

Author affiliation: (1) The University of Hong Kong, Hong Kong

Corresponding author: Li, Yixuan(lindali@connect.hku.hk)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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Issue title: Proceedings of the 21st International Conference on Electronic Business: "Corporate Resilience through Electronic Business in the Post-COVID Era", ICEB 2021

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Conference location: Virtual, Online, China

Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: Social Live Streaming Services (SLSSs) is an emerging form of social media that facilitates real-time interaction between streamers and their viewers through video streaming. With its growing prevalence worldwide, a wealth of literature has investigated its unique features of IT affordances and para-social interactions between streamers and their viewers, leaving viewers' inner development and adjustment of attitudes and actions during the watching remained largely unknown. This study empirically examined the effects of viewers' previous active engagement on their subsequent purchase behavior in SLSSs from the perspective of self-perception and perceived sunk costs. Results show that both free gifts and Danmaku (i.e., real-time comments) length significantly induce the purchase of charged gifts and that there are significant gender discrepancies underlying these mental attribution processes. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 44

Main heading: Purchasing

Controlled terms: Electronic commerce - Video streaming

Uncontrolled terms: Danmaku - Live streaming - Real time interactions - Self-perception theory - Social live streaming service - Social media - Streaming service - Sunk cost - Video-streaming - Virtual gift

Classification code: 723.5 Computer Applications

Computer Applications

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

14. The impact of digital marketing and customization on service innovation: Case of Moroccan healthcare services companies during covid-19

Accession number: 20220911724631

Authors: Zaoui, Soukaina (1); Zhou, Haiwei (1); Hamou-Ou-Brahim, Safae Ait (1); Huang, Dechun (1)

Author affiliation: (1) Business School, Jiangning Campus, Hohai University, Nanjing, China

Corresponding author: Zaoui, Soukaina(soukainazaoui1994@gmail.com)

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Conference location: Virtual, Online, China

Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: COVID-19 outbreak has affected the customers' preferences and purchasing patterns as a result of the restrictive regulations taken by governments. Thus, service companies must adapt to this change by focusing on innovation as a solution to survive this crisis. Therefore, the basic objective of this study is the development of an integrated framework to investigate the impact of digital marketing and customization on service innovation in the context of the COVID-19 crisis. Data were collected from 53 Moroccan companies operating in the healthcare services industry. The data was analyzed, and the theoretical model was validated using Partial least square (PLS) and structural equation model (SEM). The findings show that: integration of digital marketing improves service innovation; customization of service offerings improves service innovation; customization has a higher impact on service innovation compared to digital marketing; and finally, customization has a significant effect on digital marketing. The contribution of this study is to emphasize the roles of customization and digital marketing, during the COVID-19 crisis, on companies' service innovation so that they can differentiate their offered services and survive the current crisis. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 59

Main heading: Health care

Controlled terms: Electronic commerce - Least squares approximations

Uncontrolled terms: COVID-19 - Customisation - Digital marketing - Global health - Global health crisis - Health crisis - Healthcare services - Innovation case - Service companies - Service innovation

Classification code: 461.7 Health Care

Health Care

- 723.5 Computer Applications

Computer Applications

- 921.6 Numerical Methods

Numerical Methods

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

15. Research on the impact of information quality on educational wechat official account users' continued use intention: Based on the ECM-IS model

Accession number: 20220911724362

Authors: Zhao, Meng (1); Yang, Liang (1); Xu, Zixin (1); Li, Liangqiang (1); Li, Xiaolin (1)

Author affiliation: (1) Sichuan Agricultural University, Chengdu, China

Corresponding author: Li, Liangqiang(lilq@sicau.edu.cn)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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Conference location: Virtual, Online, China

Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: Along with the vigorous development of WeChat official accounts, the number of education WeChat official accounts is increasing day by day. Society's emphasis on education issues extends to the WeChat Official Accounts and other social networking platforms. How to attract users and maintain the willingness of users to continue to use is an important issue for the operators of such public accounts to consider. Information is the main content of the educational WeChat official account, and the evaluation of its quality will directly affect the perception of the educational WeChat official account and then affect the user's willingness to use it. Therefore, based on the perspective of information quality and the ECM-IS model as the research model, this paper subdivides information quality into five dimensions, including comprehensiveness, timeliness, accuracy, relevance, and perceived interestingness, and establishes a theoretical model of the influence of educational WeChat public account information quality on college students' willingness to continue using. This study will have a certain reference value for the education of WeChat operators' practical operation and user stickiness. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 25

Main heading: Information analysis

Controlled terms: Education computing - Electronic commerce - Students

Uncontrolled terms: Continued use - ECM-IS mode - Education issues - Educational wechat official account - Information quality - Public accounts - Research models - Social-networking - The intention of continuous us - Use intentions

Classification code: 723.5 Computer Applications

Computer Applications

- 903.1 Information Sources and Analysis

Information Sources and Analysis

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

16. Effect of managerial capability and organizational capability on digital innovation among organizations in Sri Lanka

Accession number: 20220911724626

Authors: Senaratne, Sanduni I. (1); Kulathunga, Dushyantha (1)

Author affiliation: (1) University of Sri Jaywardenepura, Nugegoda, Sri Lanka

Corresponding author: Senaratne, Sanduni I.(sanduni@sjp.ac.lk)

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Conference location: Virtual, Online, China

Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: Despite the growing importance of digital innovation to achieve better performance, empirical studies examining different factors that affect digital innovation within organizations are scarce. Further, the findings of existing studies are inconsistent, leading to a knowledge gap within the context. Thus, this research focused on identifying the critical success factors affecting digital innovation from managerial and organizational perspectives. The literature review revealed four factors affecting digital innovation. A new conceptual framework was designed to test the relationships identified, and it was tested using survey data collected from 135 managerial-level employees of organizations that are engaged in digital innovation processes in Sri Lanka. Data were analyzed using the PLS-SEM approach. The findings revealed that top management support and organizational learning had a positive and significant effect on digital innovation. Since there is a dearth of research in the context of digital innovation, the conceptual framework introduced and the findings of the study will encourage organizations to understand and leverage the determinants necessary to foster digital innovation within organizations. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 118

Main heading: Managers

Controlled terms: Electronic commerce - Human resource management

Uncontrolled terms: Conceptual frameworks - Digital innovations - Dynamic capability theory - Dynamics capability - Empirical studies - Knowledge gaps - Managerial capability - Organizational capabilities - Performance - Sri Lanka

Classification code: 723.5 Computer Applications

Computer Applications

- 912.2 Management

Management

- 912.4 Personnel

Personnel

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

17. E-data Utilization on National-Health Service Performance Assessment during Covid-19 in Bangladesh: New evidence using data envelopment analysis (DEA) technique

Accession number: 20220911724612

Authors: Rahman, A.B.M. Munibur (1); Towhid, A.S.M. (2); Chowdhury, Mohammad Abir Shahid (3); Hassan, H.M. Jakir (4)

Author affiliation: (1) Business School, Wuchang University of Technology, Wuhan, China; (2) School of Management, Wuhan University of Technology, Wuhan, China; (3) School of Economics and Management, China University of Geosciences, Wuhan, China; (4) Faculty of Business and Society, University of South Wales, United Kingdom

Corresponding author: Rahman, A.B.M. Munibur(abmmrahman@wut.edu.cn)

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Conference location: Virtual, Online, China

Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: Making the entire world extremely nervous, more than the quarter of a year has gone past since the global breakout of deadly respiratory illness, named Coronavirus Disease-2019 (CoViD-19), over nine million people across the globe have already been infected with more than five percent death rate, and the number is still ascending at a tremendously frightening rate. This study has been driven to identify the adequacy and quality of responses from national health facilities in Bangladesh during this epidemic and discern the stimulates that influence the entire system. With an in-depth exercise of a nonparametric statistical method for proficiency weighting, namely the Data Envelopment Analysis (DEA) technique, the objective of this study of evaluating the thorough response and performance of the Bangladeshi National Health Service has been placed in efforts to be achieved. With the outcome, the method and operation of assessing the effective responsiveness, capability, and appropriate organization of the national health services (NHS) in Bangladesh during the ongoing COVID-19 pandemic have been revealed. It has also been specifically identified that this country's health system does not possess material mastery on input variables; neither do they have strong dominance over output variables. With a view to minimizing the expenditure, they should have decreased input variables alongside enhancing input resources thoroughly to deal with this pandemic with stringent governance. Direction and limitation of future research endeavors in this area may be indicated by this study. National responses across the globe can also be benchmarked. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 25

Main heading: Coronavirus

Controlled terms: Data envelopment analysis - Electronic commerce

Uncontrolled terms: Bangladesh - COVID-19 - Data envelopment analysis models - Data envelopment analysis technique - Data utilization - Health services - Input variables - National health services - Performance assessment - Service performance

Classification code: 461.6 Medicine and Pharmacology

Medicine and Pharmacology

- 723.5 Computer Applications

Computer Applications

- 922 Statistical Methods

Statistical Methods

Numerical data indexing: Size -4.826E-01m

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

18. Effect of leverage on firm value and how the contextual variables affect this relationship: A case of Pakistan

Accession number: 20220911724348

Authors: Alamgir, Muhammad (1); Cheng, Ming-Chang (1)

Author affiliation: (1) National Chung Cheng University, Taiwan

Corresponding author: Alamgir, Muhammad(aalam@alum.ccu.edu.tw)

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Publisher: International Consortium for Electronic Business

Abstract: The purpose of this study is to investigate capital structure in the Pakistani corporate sector in light of the interest rate gap with other countries and emerging Islamic banking in the country. The study investigates the effect of leverage on firm value (Tobin's Q) and how other variables impact this relationship. The study used the System-GMM-Fixed effect model for linear analysis and fixed effect panel threshold regression model by Hansen (1999) for quadratic analysis using data from non-financial firms listed on the Pakistan Stock exchange for the period 2005 to 2019. The results show that there is a negative relation between leverage and the value of the firm. In contrast, debt and non-debt tax shields have a positive relationship with the value of the firm. The study also found that there is quadratic nature of leverage with the value of the firm. The study supports Trade-off theory, pecking order theory, while it doesn't support agency theory. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 38

Main heading: Economic and social effects

Controlled terms: Electronic commerce - Regression analysis - Structural optimization

Uncontrolled terms: Capital structure - Contextual variables - Corporate sector - Firm value - Interest rates - Leverage - Optimal capital structure - Pakistan - Panel threshold analyse - Threshold analysis

Classification code: 723.5 Computer Applications

Computer Applications

- 921.5 Optimization Techniques

Optimization Techniques

- 922.2 Mathematical Statistics

Mathematical Statistics

- 971 Social Sciences

Social Sciences

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

19. Analyzing the impact of covid-19 outbreaks on MIS students: A qualitative approach

Accession number: 20220911724600

Authors: Weng, Wei Hsiu (1)

Author affiliation: (1) Department of Management Information Systems, National Chengchi University, Taiwan

Corresponding author: Weng, Wei Hsiu(wengvictor@gmail.com)

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Publisher: International Consortium for Electronic Business

Abstract: During the breakout of coronavirus disease (COVID-19), many schools worldwide have enforced a policy of distance education. The Taiwanese students also experienced long hours of learning by using smart technologies for the first time. MIS education is a career preparation for IT professionals who use smart technology in organizations. IT professionals with MIS education backgrounds may have important roles when facing COVID-19. Moreover, many MIS students will become IT professionals and join the workforce for combatting the pandemic using smart technologies with their background of MIS education. This study intends to construct theories that depict the relevance among MIS education, IT professionals, and smart technologies in the confrontation of the COVID-19 pandemic. By using in-depth interviews with MIS students and recent MIS graduates, the possible impacts of COVID-19 outbreaks are analyzed. The results could provide reflective insights for MIS education providers, human resource units, IT firms, and organizations confronting COVID-19 outbreaks. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 22

Main heading: Information management

Controlled terms: Distance education - Electronic commerce - Students

Uncontrolled terms: AND joins - Career preparations - Coronaviruses - COVID-19 - In-depth interviews - IT professional - Metaphor - Qualitative approach - Smart technology - Taiwanese students

Classification code: 723.5 Computer Applications

Computer Applications

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

20. Is natural more beautiful? Research on natural product preference based on IAT

Accession number: 20220911724629

Authors: Liang, Xiaobei (1); Zhang, Yi (1); Meng, Hu (1)

Author affiliation: (1) School of Economics and Management, Tongji University, Shanghai, China

Corresponding author: Zhang, Yi(2130433@tongji.edu.cn)

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Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: This study aims at testing consumers' preference for natural products behind buying decisions and exploring moderating factors as rural life experience and gender for their effects on natural preference. With the help of implicit association theory, we used IAT (Implicit Association Test) to measure the remoteness between positive words and natural products to identify whether there is an implicit preference. And we examined the moderating effects through online research in China. Three hundred one participants have joined this experiment. The result shows that Chinese consumers do have an implicit preference for natural products. When consumers had more than five years of rural life experience, their preference for natural products was significantly higher than those without. However, gender did not make any significant difference, except that women have more preference for nature in the field of food. Our conclusion

not only enriches the understanding of consumer behavior but could also help product designing and development, particularly in the food area. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 40

Main heading: Consumer behavior

Controlled terms: Electronic commerce - Product design - Rural areas

Uncontrolled terms: Buying decisions - Consumers' preferences - Gender-differences - Implicit association - Life experiences - Natural preference - Natural products - Preference-based - Rural life - Rural life experience

Classification code: 723.5 Computer Applications

Computer Applications

- 913.1 Production Engineering

Production Engineering

- 931.3 Atomic and Molecular Physics

Atomic and Molecular Physics

Funding Details: Number: 20AZD059, Acronym: NPOPSS, Sponsor: National Office for Philosophy and Social Sciences;

Funding text: This work was supported by the National Social Science Fund of China under Grant 20AZD059. The authors declare no conflict of interest. The first two authors, Liang and Zhang, contributed equally to this work and should be considered co-first authors.

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

21. Research on the effects of youth personalities on impulse purchasing intention

Accession number: 20220911724358

Authors: Jia, Qiong (1); Zhang, Anqi (1); Wan, Ziyu (2)

Author affiliation: (1) Hohai University, Nanjing, China; (2) China Mobile Communications, Nantong, China

Corresponding author: Wan, Ziyu(roseherb@163.com)

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Publisher: International Consortium for Electronic Business

Abstract: Youth are the main group of social media users, but there is limited literature on the influencing factors of impulse consumption tendency that focus on youth. This research mainly studies the influence of teenagers' personality traits on impulse buying. We attempt to the mediating effect of upward social comparison and the moderating effect of emotion. We design a questionnaire with measures of personality, upward social and emotion in the recent one month. We expect that the positive/negative emotion would moderate the direct influence of personality traits on impulse consumption and the indirect effect of upward social comparison on impulse consumption. The study not only contributes to the youth purchase behaviors but also links the connections among the personalities, emotions, and purchase intention. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 40

Main heading: Sales

Controlled terms: Economic and social effects - Electronic commerce - Purchasing

Uncontrolled terms: Big five - Big-five model - Consumption tendencies - Impulse buying - Impulse purchasing intention - Main group - Mediating effect - Personality traits - Social media - Upward social comparison

Classification code: 723.5 Computer Applications

Computer Applications
- 971 Social Sciences

Social Sciences

Funding Details: Number: 295837, Acronym: FRQSC, Sponsor: Fonds de Recherche en Québec- Société et Culture; Number: 71702045,71872061,72061127002,numbers71904043, Acronym: NSFC, Sponsor: National Natural Science Foundation of China; Number: 18TQC002, Acronym: -, Sponsor: Natural Science Foundation of Jiangsu Province; Number: B210207008, Acronym: -, Sponsor: Fundamental Research Funds for the Central Universities;

Funding text: Generous financial support was provided by the National Natural Science Foundation of China [grant numbers71904043, 71872061, 71702045], Social Science Foundation of Jiangsu Province (18TQC002), the Key Program of NSFC-FRQSC Joint Project (NSFC No. 72061127002, FRQSC No. 295837), and Fundamental Research Funds for the Central Universities [grant numbers B210207008].

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

22. Research on image perception of luxury hotels in Dalian based on text analysis

Accession number: 20220911724359

Authors: Jia, Qiong (1); Jiang, Pan (1)

Author affiliation: (1) Hohai University, Nanjing, China

Corresponding author: Jia, Qiong(jiaqiong@163.com)

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Publisher: International Consortium for Electronic Business

Abstract: In recent years, with the development of mobile Internet and smartphones, more and more consumers will share their feelings and thoughts after staying in the hotel on the website, thus forming many online comments. These online comments reflect consumers' perception of the hotel image to a certain extent. This paper uses Python to collect 35977 online comment data of luxury hotels in Dalian. Through the analysis of high-frequency words, characteristic words, and comment emotion, it is found that the main factors affecting the perception of hotel image are: hotel location, room condition, environmental sanitation, service attitude, and professional ability of receptionist and other service personnel. Finally, according to the research conclusions, provide personalized suggestions for the hotel to improve its image. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 9

Main heading: Hotels

Controlled terms: Behavioral research - Electronic commerce - Image analysis - Image enhancement

Uncontrolled terms: Characteristic words - Condition - Consumer perception - High-frequency words - Image perception - Luxurious hotel - Luxury hotels - Mobile Internet - Perception of image - Smart phones

Classification code: 402.2 Public Buildings

Public Buildings

- 461.4 Ergonomics and Human Factors Engineering

Ergonomics and Human Factors Engineering

- 723.5 Computer Applications

Computer Applications

- 971 Social Sciences

Social Sciences

Funding Details: Number: 295837, Acronym: FRQSC, Sponsor: Fonds de Recherche en Sciences Humaines et Culture; Number: 71702045, 71872061, 72061127002, numbers 71904043, Acronym: NSFC, Sponsor: National Natural Science Foundation of China; Number: 18TQC002, Acronym: -, Sponsor: Natural Science Foundation of Jiangsu Province; Number: B210207008, Acronym: -, Sponsor: Fundamental Research Funds for the Central Universities;

Funding text: Generous financial support was provided by the National Natural Science Foundation of China [grant numbers 71904043, 71872061, 71702045], Social Science Foundation of Jiangsu Province (18TQC002), the Key Program of NSFC-FRQSC Joint Project (NSFC No. 72061127002, FRQSC No. 295837), and Fundamental Research Funds for the Central Universities [grant numbers B210207008].

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

23. A survey of cross-lingual sentiment analysis based on pre-trained models

Accession number: 20220911724603

Authors: Luo, Xudong (1); Yin, Sihan (1); Lin, Pingping (1)

Author affiliation: (1) Guangxi Key Lab of Multi-Source Information Mining & Security, Guangxi Normal University, Guilin, China

Corresponding author: Luo, Xudong (luoxd@mailbox.gxnu.edu.cn)

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Abstract: With the technology development of natural language processing, many researchers have studied Machine Learning (ML), Deep Learning (DL), monolingual Sentiment Analysis (SA) widely. However, there is not much work on Cross-Lingual SA (CLSA), although it is beneficial when dealing with low resource languages (e.g., Tamil, Malayalam, Hindi, and Arabic). This paper surveys the main challenges and issues of CLSA based on some pre-trained language models and mentions the leading methods to cope with CLSA. In particular, we compare and analyze their pros and cons. Moreover, we summarize the valuable cross-lingual resources and point out the main problems researchers need to solve in the future. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 76

Main heading: Sentiment analysis

Controlled terms: Computational linguistics - Deep learning - Electronic commerce - Learning algorithms - Surveys

Uncontrolled terms: BERT - Cross-lingual - GTP - Language model - Low resource languages - Malayalam - Paper surveys - Pre-trained language model - Sentiment analysis - Technology development

Classification code: 461.4 Ergonomics and Human Factors Engineering

Ergonomics and Human Factors Engineering

- 721.1 Computer Theory, Includes Formal Logic, Automata Theory, Switching Theory, Programming Theory

Computer Theory, Includes Formal Logic, Automata Theory, Switching Theory, Programming Theory

- 723.2 Data Processing and Image Processing

Data Processing and Image Processing

- 723.4.2 Machine Learning

Machine Learning

- 723.5 Computer Applications

Computer Applications

Funding Details: Number: JXXYYJSCXXM-2021-001, Acronym: -, Sponsor: -; Number: 61762016, Acronym: NSFC, Sponsor: National Natural Science Foundation of China;

Funding text: This work was supported by the National Natural Science Foundation of China (No. 61762016) and Graduate Student Innovation Project of School of Computer Science and Engineering, Guangxi Normal University (JXXYYJSCXXM-2021-001).

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

24. Multimodal sentiment analysis based on deep learning: Recent progress

Accession number: 20220911724605

Authors: Luo, Xudong (1); Liu, Jie (1); Lin, Pingping (1); Fan, Yifan (1)

Author affiliation: (1) Guangxi Key Lab of Multi-Source Information Mining & Security, Guangxi Normal University, Guilin, China

Corresponding author: Luo, Xudong(luoxd@mailbox.gxnu.edu.cn)

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Publisher: International Consortium for Electronic Business

Abstract: Multimodal sentiment analysis is an important research topic in the field of NLP, aiming to analyze speakers' sentiment tendencies through features extracted from textual, visual, and acoustic modalities. Its main methods are based on machine learning and deep learning. Machine learning-based methods rely heavily on labeled data. But deep learning-based methods can overcome this shortcoming and capture the in-depth semantic information and modal characteristics of the data, as well as the interactive information between multimodal data. In this paper, we survey the deep learning-based methods, including fusion of text and image and fusion of text, image, audio, and video. Specifically, we discuss the main problems of these methods and the future directions. Finally, we review the work of multimodal sentiment analysis in conversation. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 52

Main heading: Sentiment analysis

Controlled terms: Deep learning - Electronic commerce - Image fusion - Modal analysis - Semantics

Uncontrolled terms: BERT - GTP - Labeled data - Language model - Learning-based methods - Multi-modal - Pre-trained language model - Recent progress - Research topics - Sentiment analysis

Classification code: 461.4 Ergonomics and Human Factors Engineering

Ergonomics and Human Factors Engineering

- 723.2 Data Processing and Image Processing

Data Processing and Image Processing

- 723.5 Computer Applications

Computer Applications

- 921 Mathematics

Mathematics

Funding Details: Number: 61762016, Acronym: NSFC, Sponsor: National Natural Science Foundation of China;

Funding text: This work was supported by the National Natural Science Foundation of China (No. 61762016).

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

25. Research on the development status and the trend of smart home

Accession number: 20220911724625

Authors: Wang, Jie (1); Hou, Ya Jing (1)

Author affiliation: (1) Nanjing Institute of Technology, Nanjing, China

Corresponding author: Wang, Jie(34244119@qq.com)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: The emergence of the Internet of Things (IoT) technology provides new directions and contents for the development of smart homes, breaks the time and space barriers between people and home systems, and the application of IoT technology realizes the integration and management of information between smart home devices, prompting people's home life to be safe, comfortable and intelligent, exploring the life needs of contemporary users, and building a harmonious relationship between people and smart home systems. At present, smart home is developing rapidly and has a greater impact on people's home life. This paper will elaborate on the development status of smart homes in the context of the Internet of Things and explore and study the significance and development trend of Internet of Things technology in the field of the smart home. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 29

Main heading: Automation

Controlled terms: Electronic commerce - Information management - Intelligent buildings - Internet of things

Uncontrolled terms: Development status - Development trends - Home devices - Home life - Internet of things technologies - Smart homes - Smart-home system - Trend

Classification code: 402 Buildings and Towers

Buildings and Towers

- 722.3 Data Communication, Equipment and Techniques

Data Communication, Equipment and Techniques

- 723 Computer Software, Data Handling and Applications

Computer Software, Data Handling and Applications

- 723.5 Computer Applications

Computer Applications

- 731 Automatic Control Principles and Applications

Automatic Control Principles and Applications

- 731.1 Control Systems

Control Systems

Funding Details: Number: QKJ201903, Acronym: -, Sponsor: -; Number: 2020SJA0450, Acronym: NJIT, Sponsor: Nanjing Institute of Technology; Number: -, Acronym: -, Sponsor: Major Project of Philosophy and Social Science Research in Colleges and Universities of Jiangsu Province;

Funding text: This work is partially supported by grant YKJ201990 of Talent Introduction Scientific Research Start-up Fund of Nanjing Institute of Technology, China. And it is also partially supported by 2020SJA0450 of Philosophy and Social Science Research in Colleges and Universities of Jiangsu Province, China. And it is also partially supported by

CACD202013 of Cultural, Artistic and Creative Design and Research Institute Fund of Nanjing Institute of Technology, China. And it is also partially supported by QKJ201903 of Youth Fund Scientific Research of Nanjing Institute of Technology.

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

26. Study on the influencing factors of health information sharing behavior of the elderly under the background of normalization of pandemic situation

Accession number: 20220911724635

Authors: Li, Chenyu (1); Sun, Chengxi (1); Chang, Xiang (1); Liang, Luoming (1); Ma, Yao (1); Ke, Fan (1)

Author affiliation: (1) Sichuan University, China

Corresponding author: Ke, Fan(kefan@stu.scu.edu.cn)

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Conference location: Virtual, Online, China

Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: This study aims to solve the problem of unwise judgment, decisions, and correspondingly dangerous behaviors caused by error health information to the elderly. Based on the MOA model and self-determination theory, this paper constructs a health information sharing model for the elderly and analyzes it with Amos's structural equation model. The study finds that media richness, health information literacy, perceived benefits, and negative emotions of the coronavirus epidemic positively influence health information sharing behavior. In contrast, perceived risks have a significant negative impact on health information sharing behavior. At the same time, media richness positively affects health information literacy, perceived benefits, and negative emotions of the coronavirus epidemic but has no significant impact on perceived risks. Health literacy positively affects perceived benefits but does not significantly affect the perceived risks and negative emotions of the coronavirus epidemic. This study aims to assist government and online social platforms in taking relevant measures under the background of normalization of the pandemic situation, controlling the spread of error health information among the elderly, and guiding the elderly to share health information better. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 40

Main heading: Coronavirus

Controlled terms: Behavioral research - Electronic commerce - Epidemiology - Health risks - Information analysis - Information dissemination

Uncontrolled terms: Coronaviruses - Health informations - Information sharing - MOA theoretical model - Pandemic situation - Perceived benefits - Perceived risk - Self-determination theories - The elderly - Theoretical modeling

Classification code: 461.4 Ergonomics and Human Factors Engineering

Ergonomics and Human Factors Engineering

- 461.6 Medicine and Pharmacology

Medicine and Pharmacology

- 461.7 Health Care

Health Care

- 723.5 Computer Applications

Computer Applications

- 903.1 Information Sources and Analysis

Information Sources and Analysis

- 903.2 Information Dissemination

Information Dissemination

- 971 Social Sciences

Social Sciences

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

27. Study on the competency model construction for industrial designers under artificial intelligence technology

Accession number: 20220911724613

Authors: Hou, Jianjun (1); Mao, Yichao (1); Xu, Lijun (1)

Author affiliation: (1) Nanjing Institute of Technology, Nanjing, China

Corresponding author: Hou, Jianjun(houjianjun@njit.edu.cn)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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Conference location: Virtual, Online, China

Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: As artificial intelligence (AI) technology is gradually put into application in the design industry, higher requirements have been imposed on the competence of industrial designers in the market. This study explored the application of AI technology in the design field and its future development direction on the basis of literature research in order to figure out the competency factors of industrial designers under the background of AI technology. Expert research and interview were used to obtain expert reliability, followed by a questionnaire survey of designers and data analysis to verify the effectiveness of the competency model, based on which the competency model of industrial designers in the AI context has been finalized. The result shows that it is necessary for designers to be capable of integrating and reserving cross-domain knowledge due to high demands on the degree of recognition to innovation ability, knowledge, and professional capability, and on the innovation of both design thinking and design method. Under the background of AI, industrial designers are required to understand the basic background knowledge of AI, and to have the ability to finish information sorting and provide assistance in designing applying AI software, and the ability to cooperate with AI engineers. This competency model will not only promote the development of AI technology in the industrial design trade by imposing new demands on industrial designers but also point out the direction for the cultivation of design talents in institutions of higher learning. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 32

Main heading: Surveys

Controlled terms: Domain Knowledge - Electronic commerce - Engineering education - Industrial research - Product design - Reliability analysis

Uncontrolled terms: Artificial intelligence technologies - Competency model - Design Education - Design industry - Development directions - Industrial designers - Literature researches - Model construction - Model-based OPC - Questionnaire surveys

Classification code: 723.4 Artificial Intelligence
Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

- 901.2 Education

Education

- 901.3 Engineering Research

Engineering Research

- 912.1 Industrial Engineering

Industrial Engineering

- 913.1 Production Engineering

Production Engineering

Funding Details: Number: 20YJC760030, Acronym: -, Sponsor: -; Number: 2018SJA0386, Acronym: -, Sponsor: -; Number: 2020YB26, Acronym: NJIT, Sponsor: Nanjing Institute of Technology;

Funding text: This research has been supported by The Ministry of Education Human Society project of China(No.20YJC760030), The Philosophy and Social Science project of Jiangsu Province(No.2018SJA0386), The key projects of Teaching Research and Teaching Reform of Nanjing Institute of Technology(No.JG2019009), The First Class Curriculum Construction project of Nanjing Institute of Technology(No.YZKC2019067), The Higher Education Research project of Nanjing Institute of Technology(No.2020YB26), The NJIT Cultural and Artistic Creativity Design Institute(No.CACD202003), The NJIT Course Ideological and political demonstration course project(No.KCXZ2021037), and The NJIT Curriculum construction of Ideological and political demonstration specialty project(No.SFZY2021P07).

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

28. Size does Matter: How do Micro-influencers Impact Follower Purchase Intention on Social Media?

Accession number: 20220911724599

Authors: Liu, Gloria H.W. (1); Li, Ying (1); Lee, Neil Chueh-An (2)

Author affiliation: (1) Xi'an Jiao Tong-Liverpool University, Suzhou, China; (2) The Department of Marketing and Tourism Management, National Chiayi University, Taiwan

Corresponding author: Lee, Neil Chueh-An(Neil_lee@mtm.ncyu.edu.tw)

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Conference location: Virtual, Online, China

Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: Social media influencers have become a significant source of information for customers and a prevalent marketing tool for brands. It is crucial to explore factors that affect the follower's purchase intention of the products endorsed by social media influencers. Recently, micro-influencers have gained recognition for their authenticity and relatability when compared with their established counterparts, such as macro- or mega-influencers. Increasing organizations also see the value micro-influencers can bring to their brands via more interaction with their target customers. Based on the parasocial interaction theory, we propose that the perceived credibility and transparency of micro-influencers enhance followers' purchase intention through the mediation of parasocial interaction. Parasocial interaction is a kind of psychological relationship in which followers consider influencers as their friends, regardless of their limited interactions with those influencers. Our findings indicate that parasocial interaction between micro-

influencers and their followers positively impacts purchase intentions of recommended products. It is also found that perceived micro-influencer credibility and transparency positively affect followers' parasocial interaction with micro-influencers. Implications of our findings are discussed. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 51

Main heading: Purchasing

Controlled terms: Economic and social effects - Electronic commerce - Sales - Social networking (online) - Transparency

Uncontrolled terms: Influence marketing - Interaction theory - Marketing tools - Micro-influence credibility - Micro-influence transparency - Micro-influencer - Parasocial interaction - Purchase intention - Social media - Sources of informations

Classification code: 723 Computer Software, Data Handling and Applications

Computer Software, Data Handling and Applications

- 723.5 Computer Applications

Computer Applications

- 741.1 Light/Optics

Light/Optics

- 971 Social Sciences

Social Sciences

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

29. Life-Cycle Building Carbon Emission Management Platform based on Building Information Modeling Technology

Accession number: 20220911724357

Authors: Jin, Chenhao (1); Huang, Qinlin (1); Sun, Xiaorong (2); Hao, Yunxi (1); Yao, Yuan (1); He, Xin (1); Wang, Liangshuo (1); Jang, Shinae (3)

Author affiliation: (1) Business School, Hohai University, Nanjing, China; (2) School of Energy and Electrical Engineering, Hohai University, Nanjing, China; (3) Department of Civil & Environmental Engineering, University of Connecticut, Storrs; CT, United States

Corresponding author: Huang, Qinlin(2698804628@qq.com)

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Conference location: Virtual, Online, China

Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: Buildings produce 40% of annual carbon emissions among various sectors in modern society. One of the most challenging problems of carbon management is how to monitor and calculate a building's life-cycle energy consumption and carbon emission data during both construction and operation stages. The Building Information Modeling (BIM) technology provides a promising method to obtain and simulate buildings as-is status at different stages in the life cycle. This paper develops a framework for building a carbon emission management platform using the carbon emission factor method and BIM technology, which can derive corresponding carbon emission and measure carbon footprint with building geographic information to achieve precise positioning of carbon emission objects. The platform can achieve multi-role collaboration, equipment visualization, real-time carbon emission

monitoring, and data analysis. The platform is applied to an existing building in Hohai University to assess the total carbon footprint of the building in its life cycle. This platform can greatly improve the calculation accuracy of the carbon footprint of buildings, improve data transparency, provide valuable information for building facility management personnel, and help achieve the goal of carbon neutrality. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 17

Main heading: Life cycle

Controlled terms: Architectural design - Carbon footprint - Data visualization - Electronic data interchange - Energy utilization - Human resource management - Information theory - Office buildings

Uncontrolled terms: Building Information Modelling - Carbon emission managements - Carbon emissions - Carbon management - Emission data - Energy-consumption - Life cycle energies - Management IS - Management platforms - Modeling technology

Classification code: 402 Buildings and Towers

Buildings and Towers

- 402.2 Public Buildings

Public Buildings

- 408.1 Structural Design, General

Structural Design, General

- 454 Environmental Engineering

Environmental Engineering

- 525.3 Energy Utilization

Energy Utilization

- 716.1 Information Theory and Signal Processing

Information Theory and Signal Processing

- 723.2 Data Processing and Image Processing

Data Processing and Image Processing

- 723.5 Computer Applications

Computer Applications

- 912.2 Management

Management

- 912.4 Personnel

Personnel

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Funding Details: Number: 2021K237B, Acronym: -, Sponsor: -; Number: 2021SJA0034, Acronym: -, Sponsor: -; Number: B210207098, Acronym: -, Sponsor: Fundamental Research Funds for the Central Universities;

Funding text: The authors would like to acknowledge the support from the Fundamental Research Funds for the Central Universities (B210207098), Jiangsu University Philosophy and Social Science Research Project (2021SJA0034), and Jiangsu Postdoctoral Research Support Program (2021K237B).

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

30. Digital transformations in Taiwanese TV industry

Accession number: 20220911724640

Authors: Ying, Lisa Ci-Fan (1, 2); Hung, Wei-Hsi (1, 2)

Author affiliation: (1) Department of Information Management, National Chengchi University, Taipei, Taiwan; (2) Shih Hsin University, Taipei, Taiwan

Corresponding author: Ying, Lisa Ci-Fan(lisaying@mail.shu.edu.tw)

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Conference location: Virtual, Online, China

Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: In the past, TV was always regarded as an indispensable member of every family. Watching TV programs with the whole family was once one of the key consumer behaviors. However, with the development of technology, the digital wave and the invasion of Over-The-Top (OTT) platforms, consumer behavior has begun to undergo drastic changes. Mobile phones and tablets occupy most of our time. Multi-screens have long become the norm. According to the "Digital Whirlpool" report published by IMD in 2019: "Due to the impact of digital convergence, digital disruption has already occurred in the media, entertainment, and telecommunications industries. If digital transformation is not carried out in time, the next five may be replaced by other new services". Observe that the number of cable TV subscribers in Taiwan has dropped from 5.23 million in 2017. With the influence of online platforms and online pirated content, it has fallen all the way to the current low of 4.83 million in 2021. Facing the changes in viewers' viewing behaviors and the shift in TV advertising budgets in recent years, various TV stations have also provided solutions and actively transformed from internal thinking to external environments. TV stations such as TVBS, Eastern Broadcasting Company (EBC), Sanli TV and Ctitv have begun their digital transformation. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 10

Main heading: Consumer behavior

Controlled terms: Budget control - Digital television - Electronic commerce - Television broadcasting

Uncontrolled terms: Digital convergence - Digital transformation - E-business - Entertainment industry - Media industry - Multi screens - Telecommunications industry - TV industry - TV programs - TV stations

Classification code: 716.4 Television Systems and Equipment

Television Systems and Equipment

- 723.5 Computer Applications

Computer Applications

- 931.3 Atomic and Molecular Physics

Atomic and Molecular Physics

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

31. Information security and firms' market value: The preliminary analysis

Accession number: 20220911724610

Authors: Ye, Runbo (1); Zhang, Xiong (2)

Author affiliation: (1) Imperial College, London, United Kingdom; (2) Beijing Jiao Tong University, Beijing, China

Corresponding author: Zhang, Xiong(xiongzhang@bjtu.edu.cn)

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Conference date: December 3, 2021 - December 7, 2021

Conference location: Virtual, Online, China

Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: In the era of information and big data, security events have caused serious impacts on companies' business operations. The paper aims to investigate the impact of information system security events on firms' market value. To do so, this study collects security events data from Chinese mainstream media platforms and newspapers. The event study approach and regression analysis are used to show that the involved companies associated with the events will suffer the loss on its market value. Moreover, the involved companies' characteristics and the events' attributes can also affect the loss caused by these information security events. The findings of the study provide managerial insights for enterprise managers and help them formulate suitable coping strategies for potential events. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 10

Main heading: Regression analysis

Controlled terms: Electronic commerce - Financial markets - Information systems - Information use - Managers - Security of data

Uncontrolled terms: Business operation - Enterprise information system - Event studies - Event study approach - Information systems security - Mainstream media - Market values - Preliminary analysis - Security events - Stock price

Classification code: 723.2 Data Processing and Image Processing

Data Processing and Image Processing

- 723.5 Computer Applications

Computer Applications

- 903.2 Information Dissemination

Information Dissemination

- 903.3 Information Retrieval and Use

Information Retrieval and Use

- 912.4 Personnel

Personnel

- 922.2 Mathematical Statistics

Mathematical Statistics

Funding Details: Number: 71801014, Acronym: NSFC, Sponsor: National Natural Science Foundation of China;

Number: 17GLC069, Acronym: -, Sponsor: Beijing Social Science Fund;

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Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

32. A case study of the application of digital technology in the fast-food-breakfast industry to optimize consumer demand

Accession number: 20220911724638

Authors: Jih, Chia-Yu (1); Hung, Wei-Hsi (1)

Author affiliation: (1) Department of Management Information Systems, National Chengchi University, Taiwan

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Conference location: Virtual, Online, China

Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: According to research in many medical journals, breakfast is extremely important to human health. A nutritious breakfast can make people energetic and improve the efficiency of study and work. People in different countries and regions have a unique breakfast culture. In Taiwan, the breakfast/brunch-based industry is one of the franchise channels that has always been the fastest and easiest way for Taiwanese self-employed people to start a business. Some brands even have gone international and started to expand their business. This research study used G.C. Group as the research object and investigated the use of digital tools by franchisees through case combing and in-depth interviews with key stakeholders. The research analysis the digital implementation to assist the franchise headquarters on how to use digital technology to optimize franchisees, consumer services, and brand value enhancement. The research results find possible business models at the emergence stage, and maximizing value exchange and business opportunities through the interaction of all important stakeholders will be the direction of future research. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 15

Main heading: Digital devices

Controlled terms: Electronic commerce

Uncontrolled terms: Case-studies - Chatbots - Consumer demands - Digital technologies - Fast food - Fast-food breakfast industry - Franchise headquarter - Franchisee - IM chatbot - Medical journals

Classification code: 723.5 Computer Applications

Computer Applications

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

33. Customer segmentation using real transactional data in e-commerce platform: A case of online fashion bags shop

Accession number: 20220911724609

Authors: Yan, Zhouzhou (1); Zhao, Yang (1)

Author affiliation: (1) Wuhan University, Wuhan, China

Corresponding author: Zhao, Yang(yangzhao_0813@whu.edu.cn)

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Conference date: December 3, 2021 - December 7, 2021

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Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: Customer segmentation has been widely used in different businesses and plays important rules in customer service. How to get a suitable segmentation based on the real transactional data to fully mining the hidden customer information in the massive data is still a challenge in current e-commerce platforms. This paper develops a customer segmentation model for online shops and uses the real data from a fashion bag store as a case. This paper firstly conducts a data preprocessing to select the main customer features, then it constructs a segmentation model based on the Fuzzy C-Means algorithm, and finally accomplishes a customer prediction model using a probabilistic neural network to estimate new customer's customer type. The results show that the customer samples are classified into three types, and the prediction accuracy is more than 90%. After that, this paper demonstrates the typical features of each type of customer and compares the new group features with the prior VIP groups. The ANOVA analysis test results show that the new groups have more significant differences than prior VIP groups, which means more effective segmentation results. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 28

Main heading: Sales

Controlled terms: Clustering algorithms - Copying - Electronic commerce - Fuzzy clustering - Fuzzy inference - Fuzzy neural networks - Image segmentation

Uncontrolled terms: Commerce platforms - Customer information - Customer-service - Customers segmentations - E- commerces - E-commerce platform - Neural-networks - On-line fashion - Segmentation models - Transactional data

Classification code: 721.1 Computer Theory, Includes Formal Logic, Automata Theory, Switching Theory, Programming Theory

Computer Theory, Includes Formal Logic, Automata Theory, Switching Theory, Programming Theory

- 723 Computer Software, Data Handling and Applications

Computer Software, Data Handling and Applications

- 723.4 Artificial Intelligence

Artificial Intelligence

- 723.4.1 Expert Systems

Expert Systems

- 723.5 Computer Applications

Computer Applications

- 745.2 Reproduction, Copying

Reproduction, Copying

- 903.1 Information Sources and Analysis

Information Sources and Analysis

Numerical data indexing: Percentage 9.00E+01%

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

34. A survey of customer service system based on learning

Accession number: 20220911724604

Authors: Yin, Sihan (1); Luo, Xudong (1)

Author affiliation: (1) Guangxi Key Lab of Multi-Source Information Mining & Security, Guangxi Normal University, Guilin, China

Corresponding author: Luo, Xudong(1469214793@qq.com)

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Publisher: International Consortium for Electronic Business

Abstract: With the rapid development of artificial intelligence, people have moved from manual customer service to handling affairs, and now they are more inclined to use intelligent customer service systems. The intelligent customer service system is generally a chat robot based on natural language processing, and it is a dialogue system. Therefore, it plays a vital role in many fields, especially in the field of e-commerce. In this article, to help researchers further study the customer service system for e-commerce, we survey the learning-based methods in dialogue understanding, dialogue management and dialogue response generation in the customer service system. In particular, we compare the advantages and disadvantages of these methods and pointed out further research directions. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 46

Main heading: Electronic commerce

Controlled terms: Intelligent robots - Learning systems - Natural language processing systems - Sales - Speech processing - Surveys

Uncontrolled terms: Customer service systems - Customer-service - Dialog response generation - Dialog understanding - Dialogue management - Dialogue systems - E- commerces - Learning - Learning-based methods - Response generation

Classification code: 723.2 Data Processing and Image Processing

Data Processing and Image Processing

- 723.5 Computer Applications

Computer Applications

- 731.6 Robot Applications

Robot Applications

- 751.5 Speech

Speech

Funding Details: Number: JXXYYJSCXXM-2021-001, Acronym: -, Sponsor: -; Number: 61762016, Acronym: NSFC, Sponsor: National Natural Science Foundation of China;

Funding text: This work was supported by the National Natural Science Foundation of China (No. 61762016) and Graduate Student Innovation Project of School of Computer Science and Engineering, Guangxi Normal University (JXXYYJSCXXM-2021-001).

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

35. Research on the construction mechanism of consumers' trust intentions and behaviors in the context of live streaming shopping

Accession number: 20220911724352

Authors: Cao, Cong (1); Zheng, Miaomiao (1); Xu, Qianwen (1); Shao, Xiuyan (2); Jiang, Chunping (1)

Author affiliation: (1) Zhejiang University of Technology, Hangzhou, China; (2) Southeast University, Nanjing, China

Corresponding author: Cao, Cong(congcao@zjut.edu.cn)

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Publisher: International Consortium for Electronic Business

Abstract: As a new-type media form integrating text, image, video, and audio, live streaming itself is an excellent way of information-carrying and interaction. And the development of information technology makes the use of live streaming shopping easier and more convenient. At the same time, with the popularity of live streaming marketing, there are also some consumption traps, which not only harm the rights and interests of consumers but also affect its own development. Thus, how to build trust and improve the credit evaluation mechanism has become a common concern of academic and industrial circles. Anchored in the theory of planned behavior (TPB) and other research results, this paper expounds on the definition and connotation of trust intention in live streaming shopping in detail. From the perspective of consumers, the trust model of live streaming shopping is constructed based on the comprehensive consideration of social presence, consumers' personal attitude, and structural assurance. It adopts partial least squares (PLS) structural equation modeling (SEM) to evaluate the research model and hypothesis. On the basis of 259 samples, the result shows that consumers' trust behavior in live streaming shopping is mainly affected by live

streamers' personalities, comment information, social presence, platform characteristics, usefulness, and structural assurance. The research result of this paper will play a positive role in building a more credible environment, improving the trust relationship with consumers, and promoting potential transactions. Meanwhile, it also lays a foundation for understanding consumers' trust behavior and related theories in the context of China. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 46

Main heading: Electronic commerce

Controlled terms: Consumer behavior - Least squares approximations - Media streaming

Uncontrolled terms: Credit evaluations - Live streaming - Online shopping - Research models - Research results - Social presence - Text images - Theory of Planned Behavior - Trust - Trust models

Classification code: 723.5 Computer Applications

Computer Applications

- 921.6 Numerical Methods

Numerical Methods

- 931.3 Atomic and Molecular Physics

Atomic and Molecular Physics

Funding Details: Number: S202110337116, Acronym: -, Sponsor: -; Number: GZ21731320013, Acronym: -, Sponsor: -; Number: GZ21511320030, Acronym: -, Sponsor: -; Number: 71601168,72001040, Acronym: NSFC, Sponsor: National Natural Science Foundation of China;

Funding text: The work described in this paper was supported by grants from the National Natural Science Foundation of China (71601168 and 72001040), the Zhejiang University of Technology Humanities and Social Sciences Pre-Research Fund Project (GZ21731320013), the Zhejiang University of Technology Subject Reform Project (GZ21511320030), and the Zhejiang Province Undergraduate Innovation and Entrepreneurship Training Program (File No. S202110337116).

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

36. An analysis on the formation and cultivation of environmental protection norms in the context of green gamification

Accession number: 20220911724624

Authors: Lin, Yixun (1); Du, Helen S. (1)

Author affiliation: (1) School of Management, Guangdong University of Technology, Guangzhou, China

Corresponding author: Lin, Yixun(112008004@mail2.gdut.edu.cn)

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Conference location: Virtual, Online, China

Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: Currently, individual green behaviors have attracted great attention from many countries for environmental degradation. It is particularly critical to identify useful strategies to motivate users' green behaviors. Based on the goal framing theory, this paper considers three target motivations (hedonic goal, gain goal, and normative goal) of users' behaviors, proposes the formation and cultivation mechanics of green behaviors in the green gamification platform, and builds a model considering the process of users' engagement. By comparing users' quality situation (high, general, low), this paper concludes that a lower involvement degree is required by high-quality individuals when forming and

cultivating an environmental behavior habit. The result also benefits organizations that apply gamification designs in varieties of ways to engage and steer users like employees or consumers toward targeted goals. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 23

Main heading: Electronic commerce

Controlled terms: Environmental protection

Uncontrolled terms: Environmental behavior - Formation - Gamification - Goal framing theory - Green gamification - High quality - User behaviors - User engagement

Classification code: 454.2 Environmental Impact and Protection

Environmental Impact and Protection

- 723.5 Computer Applications

Computer Applications

Funding Details: Number: 2019A1515011731,2021A1515011662, Acronym: -, Sponsor: -;

Funding text: This work is partially supported by Guangdong Basic and Applied Basic Research Foundation 2019A1515011731; 2021A1515011662).

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

37. Technology-enabled innovations to combat covid-19 pandemic: A case study between Thailand and Taiwan

Accession number: 20220911724634

Authors: Tangkomsaengtong, Suangchanok (1); Ractham, Peter (1); Chiu, Eric M.P. (2); Chutima, Smith (3)

Author affiliation: (1) Thammasat University, Thailand; (2) National Chung-Hsing University, Taiwan; (3) Chiang Mai University, Thailand

Corresponding author: Tangkomsaengtong, Suangchanok(Suangchanok-tan62@tbs.tu.ac.th)

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Conference location: Virtual, Online, China

Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: The COVID-19 pandemic has been disrupting people's lives for the past two years. Countries worldwide tried to control the number of infections with new and enhanced information technology with varying results. This case study compares the information technologies used to control and combat the COVID-19 pandemic in Thailand and Taiwan. This study aims to identify the contributing factors that make information technology become more effective in controlling the COVID-19 pandemic. This data was gathered retrospectively from December 2019 to August 2021 from 46 subjects in both countries. The results have shown that the category of technology released was inconsistent with entering the stage of transmission of the COVID-19 pandemic. In addition, policy factors such as the rigor of policy, credibility of government or related agencies, including social factors such as the public engagement, communication technology, and the diffusion of innovation, play a key role in enabling the technology to be more efficient for the control of COVID-19 pandemic. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 34

Main heading: Coronavirus

Controlled terms: Electronic commerce

Uncontrolled terms: Case-studies - Contributing factor - Coronaviruses - Covid-19 - Digital governance - Pandemic - Policy factors - Public trust - Technology - Thailand

Classification code: 461.6 Medicine and Pharmacology

Medicine and Pharmacology

- 723.5 Computer Applications

Computer Applications

Funding Details:

Funding text: This work is partially supported by Thammasat Business School (Faculty of Commerce and Accountancy Thammasat University). I would like to express my deep and sincere gratitude to my research supervisor Dr. Peter Ractham, Dr. Eric Chiu, and Dr. Smith Chutima. My completion of this project could not have been accomplished without the support of my classmates, my friend, my co-worker, my family, and Thanks to 46 volunteers for your time. Finally, my thanks go to all the people who have supported me to complete the research work directly or indirectly.

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

38. A model on energy power management of air-recirculation in a clean room

Accession number: 20220911724363

Authors: Liu, Fu-Han (1); Lin, Woo-Tsong (1)

Author affiliation: (1) Department of Management Information Systems, National Chengchi University, Taiwan

Corresponding author: Liu, Fu-Han(kyesamliou@gmail.com)

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Publisher: International Consortium for Electronic Business

Abstract: With the rapid development of intelligent networking technology, fan filter units (FFUs) in cleanrooms can be networked as a cluster to form multiple low-pollution minienvironments. Therefore, FFU cluster management for different process cleanliness requirements and energy savings targets is a critical topic. This study uses particle swarm optimization with a metaheuristics algorithm to collect, calculate, and dynamically adjust air recirculation at a production site and plan FFU clusters for a cleanroom by integrating the FFU number, airflow speed, size, and other characteristics to ensure the quality of production and achieve energy savings targets. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 10

Main heading: Particle swarm optimization (PSO)

Controlled terms: Clean rooms - Cleaning - Energy conservation - Heuristic algorithms - Power management

Uncontrolled terms: Air re-circulation - Cleanliness - Energy savings - Energy saving targets - Energy-savings -

Fan filter - Fan filter cluster - Meta-heuristics algorithms - Minienvironment - Particle swarm optimization

Classification code: 402.1 Industrial and Agricultural Buildings

Industrial and Agricultural Buildings

- 525.2 Energy Conservation

Energy Conservation

- 525.3 Energy Utilization

Energy Utilization

- 704.2 Electric Equipment

Electric Equipment
- 723 Computer Software, Data Handling and Applications
Computer Software, Data Handling and Applications
- 723.1 Computer Programming
Computer Programming
- 802.3 Chemical Operations
Chemical Operations
- 921.5 Optimization Techniques
Optimization Techniques
Compendex references: YES
Database: Compendex
Compilation and indexing terms, Copyright 2022 Elsevier Inc.
Data Provider: Engineering Village

39. An empirical study on consumption intention of virtual tour streaming

Accession number: 20220911724592
Authors: Hsu, Chia-Shiang (1); Hsieh, Ming-Chia (2); Yeh, Wen-Chin (3); Yang, Junko (4)
Author affiliation: (1) National Kaohsiung University of Hospitality and Tourism, Taiwan; (2) Far East University, Taiwan; (3) Ling Tung University, Taiwan; (4) National Kaohsiung University of Hospitality and Tourism, Taiwan
Corresponding author: Hsu, Chia-Shiang(jacqueshsu@staff.nkuht.edu.tw)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
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Issue date: 2021
Publication year: 2021
Pages: 586-592
Language: English
ISSN: 16830040
Document type: Conference article (CA)
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Conference date: December 3, 2021 - December 7, 2021
Conference location: Virtual, Online, China
Conference code: 177243
Publisher: International Consortium for Electronic Business
Abstract: This study employs the social interaction motivation of the audience to explore the social capital dual-model relationship generated by the audience of "Virtual Tour Streaming," a term that describes virtual tour streaming's nascent digital economy. This is situated in a virtual tour streaming platform to ascertain how it influences the intention of the audience and to use "Swift Guanxi" as the interaction variable to actual intention behavior. This is done to understand the contributions of virtual tour streaming adoption in a direct dial platform of different audience levels and their consumption behavior. The remaining sections discuss the theoretical and practical implications of the study. © 2021 International Consortium for Electronic Business. All rights reserved.
Number of references: 27
Main heading: Electronic commerce
Controlled terms: Motivation
Uncontrolled terms: Bonding social capitals - Bridging social capitals - Consumption intention - Empirical studies - Horizontal social motivation - Social motivations - Swift guanxi - Vertical social motivation - Virtual tour
Classification code: 723.5 Computer Applications
Computer Applications
- 912.4 Personnel
Personnel
Compendex references: YES
Database: Compendex
Compilation and indexing terms, Copyright 2022 Elsevier Inc.
Data Provider: Engineering Village

40. Motivations of user engagement in EWOM of Chinese microblog

Accession number: 20220911724591

Authors: Lu, Shiyao (1); Tian, Ming (2)

Author affiliation: (1) Business School of Hohai University, Nanjing, China; (2) Hohai University, Nanjing, China

Corresponding author: Lu, Shiyao(shiyaolu@foxmail.com)

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Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: This study examined the motivations of user engagement in electronic word-of-mouth behavior through a netnography. The sample includes more than 2,000 posts from the Chinese microblog-Sina Weibo and 20 follow-up interviews about film reviews. 5 types of motivations were examined, including egoistic motivations, motivations for the reward, reciprocal motivations, altruistic motivations, and motivations in the sense of community. Results confirmed the effect of egoistic motivations, reciprocal motivations, and motivations in the sense of community for the increasing volume of eWOM. However, motivations for the reward and altruistic motivations were found less powerful. Hence, the reward was found to decrease the generation of eWOM. The findings would give implications for marketers to plan and leverage eWoM and help scholars understand eWoM in a microblog context. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 30

Main heading: Social networking (online)

Controlled terms: Electronic commerce - Motivation - Virtual reality

Uncontrolled terms: EWoM - Follow up - Micro-blog - Netnography - Sense of community - Sina-weibo - User engagement - Virtual community

Classification code: 723 Computer Software, Data Handling and Applications

Computer Software, Data Handling and Applications

- 723.5 Computer Applications

Computer Applications

- 912.4 Personnel

Personnel

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

41. Exploring crowdfunding success in cross-culture framework

Accession number: 20220911724353

Authors: Jia, Qiong (1); Wang, Guanlin (1)

Author affiliation: (1) Hohai University, Nanjing, China

Corresponding author: Jia, Qiong(jiaqionghit@163.com)

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Publisher: International Consortium for Electronic Business

Abstract: With the rapid development of reward-based crowdfunding, how to make creative projects stand out is of great significance to entrepreneurs and other stakeholders. This study tends to explore the impact of the number of projects within the same category on crowdfunding success and the impact of spatial clustering effect on crowdfunding success. We draw upon a sample of 11,576,590 daily observations of 331,104 projects from Kickstarter, finding a negative association exists between the number of projects within the same category (NPSC) and crowdfunding success, which means that the concurrent impact of the number of projects within the same category (NPSC) on crowdfunding success displays the much larger competitive effects. The preliminary findings are discussed, and it is hoped that this work can be used to explore the key factors influencing the fundraising success of reward-based crowdfunding projects. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 21

Main heading: Crowdsourcing

Controlled terms: Electronic commerce

Uncontrolled terms: Clustering effect - Competitive effects - Creative projects - Cross culture - Crowdfunding success - Cultural value - Key factors - National cultural value - Project within the same category - Spatial clustering

Classification code: 723.5 Computer Applications

Computer Applications

Funding Details: Number: 295837, Acronym: FRQSC, Sponsor: Fonds de Recherche en Québec-Société et Culture; Number: 71702045,71872061,72061127002, Acronym: NSFC, Sponsor: National Natural Science Foundation of China; Number: B210207008, Acronym: -, Sponsor: Fundamental Research Funds for the Central Universities;

Funding text: Generous financial support was provided by the National Natural Science Foundation of China [grant numbers 71872061, 71702045], the Key Program of NSFC-FRQSC Joint Project (NSFC No. 72061127002, FRQSC No. 295837), and Fundamental Research Funds for the Central Universities [grant numbers B210207008].

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

42. Herding behavior in online restaurant ratings: Moderating effects of reviewer popularity and observed review volume

Accession number: 20220911724349

Authors: Xu, DaPeng (1); Hong, Hong (1)

Author affiliation: (1) School of Management, Harbin Institute of Technology, China

Corresponding author: Hong, Hong(honghong@hit.edu.cn)

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Publisher: International Consortium for Electronic Business

Abstract: Understanding the generation of online reviews is fundamental work for retailers to better utilize them. Review rating is the most important component of an online review; therefore, our study tries to investigate the antecedents of online reviews by figuring out the relationship between a reviewer's observed review rating and his/her rating. More specifically, this study aims to answer the following three research questions: (1) Does herding behavior exist in online ratings, i.e., is a reviewer's rating affected by his/her observed ratings given by other reviewers? (2) Does the observed review number moderate the direct effect of observed review ratings on a reviewer's rating behavior? (3) Does a reviewer's popularity moderate the direct effect of observed review ratings on his/her rating behavior? To answer these research questions, we conduct multiple empirical analyses using online restaurant reviews obtained from the most popular review platform in China. The results show that herding behavior does exist in online rating behavior. To be more specific, a reviewer's observed review rating while authoring reviews are positively related to his/her review rating; The observed review volume of the rated restaurant can mitigate the positive relationship between a reviewer's observed review rating and his/her rating. A reviewer's popularity can also mitigate the positive relationship between his/her observed review rating and his/her own rating. Our study makes contributions to both academic literature and managerial practice by demonstrating the presence of herding behavior in online review ratings. Our findings offer important implications for online review platform managers, product retailers, and consumers. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 22

Main heading: Managers

Controlled terms: Electronic commerce

Uncontrolled terms: Empirical analysis - Herding behaviors - Moderating effect - Online rating behavior - Online ratings - Online reviews - Research questions - Restaurant reviews - User-generated - User-generated content

Classification code: 723.5 Computer Applications

Computer Applications

- 912.4 Personnel

Personnel

Funding Details: Number: 71801063, Acronym: NSFC, Sponsor: National Natural Science Foundation of China;

Number: 2018M640300, Acronym: -, Sponsor: China Postdoctoral Science Foundation;

Funding text: This work was partially supported by the National Natural Science Foundation of China (Grant # 71801063) and the China Postdoctoral Science Foundation (Grant # 2018M640300).

Compendex references: YES

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Data Provider: Engineering Village

43. Hospital as a Sheltered Workshop to Improve the Disabled People's Resilience with Working Capability and to Re-join Our Society

Accession number: 20220911724637

Authors: Fang, Leo (1); Hung, Wei-Hsi (1)

Author affiliation: (1) Department of MIS, National Chengchi University, Taiwan

Corresponding author: Fang, Leo(leofangapb@gmail.com)

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Conference location: Virtual, Online, China

Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: The hospital with sheltered workshops can provide both medical care and vocational training that help the disabled patients improve not just their health but also re-build their confidence to re-join our society. The fundamental support for the sheltered workshop is legally the People with Disabilities Rights Protection Act and medically the hospital institutions. This case is about how we can learn from the Bei-tou hospital of Tri-Service General Hospital, which has been contributed to the sheltered workshop for their patients by cooperating with the Labor Bureau of Taipei City Government since April of 2012. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 22

Main heading: Hospitals

Controlled terms: Electronic commerce

Uncontrolled terms: Disability right protection act - Disability rights - Disabled people - General hospitals - Learn + - People with disabilities - Posttraumatic stress disorder - Rights protection - Sheltered workshop - Vocational training

Classification code: 462.2 Hospitals, Equipment and Supplies

Hospitals, Equipment and Supplies

- 723.5 Computer Applications

Computer Applications

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

44. An empirical analysis of consumer impulse purchases

Accession number: 20220911724364

Authors: Sun, Kaili (1); Luo, Xudong (1)

Author affiliation: (1) Guangxi Key Lab of Multi-Source Information Mining & Security, Guangxi Normal University, Guilin, China

Corresponding author: Luo, Xudong(luoxd@mailbox.gxnu.edu.cn)

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Abstract: In China, shopping festivals such as T-mall Double Eleven, Double Twelve, and JD 618 are the best times for merchants to sell their products. In this paper, to help sellers in shopping festivals, we do an empirical study to identify the main factors that stimulate consumers to make impulsive purchases. Our research results show: (1) logistics services, product praise rate, and product sales volume indirectly affect impulse buying through perceived value as an intermediary; (2) source reliability, pre-sales service, and after-sales service indirectly affect impulse purchase through perceived risk as an intermediary; and (3) commodity prices and product discounts directly affect impulse purchase. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 27

Main heading: Sales

Controlled terms: Electronic commerce

Uncontrolled terms: Behavioral model - E-commerce impulse purchase - Empirical analysis - Empirical studies - Impulse purchase - Logistics services - Product sales - Research results - Service products - Transaction utility

Classification code: 723.5 Computer Applications

Computer Applications

Funding Details: Number: JXXYYJSCXXM-2021-001, Acronym: -, Sponsor: -; Number: 61762016, Acronym: NSFC, Sponsor: National Natural Science Foundation of China;

Funding text: This work was supported by the National Natural Science Foundation of China (No. 61762016) and Graduate Student Innovation Project of School of Computer Science and Engineering, Guangxi Normal University (JXXYYJSCXXM-2021-001).

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

45. Helping beginning vloggers to overcome cold start: The perspective of identity construction

Accession number: 20220911724627

Authors: Liao, Miyan (1); Sun, Xiyang (1); Fang, Jiaming (1); Li, Liangqiang (2)

Author affiliation: (1) University of Electronic Science and Technology of China, China; (2) Sichuan Agricultural University, China

Corresponding author: Fang, Jiaming(jmfang@uestc.edu.cn)

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Publisher: International Consortium for Electronic Business

Abstract: Beginning vloggers' low enthusiasm for Vlog creation has garnered little consideration, even though a social media platform can highly improve user stickiness and user activity by engaging users to generate content. This paper investigates the effects of extrinsic and intrinsic motivations on Vlog creative behavior mediated by cognition and emotion based on social cognitive theory and self-discrepancy theory. The analysis of 342 questionnaire surveys shows that intrinsic motivation (social interaction and social cues presentation) positively affects identity construction and positive emotions. In contrast, extrinsic motivation (community incentives and social norms) only positively affects identity construction and does not significantly influence positive emotions. Identity construction and positive emotions further significantly affect the creative behavior of beginning vloggers. The results reveal the process of Vlog creative behavior and have important practical implications for enhancing the platform performance. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 57

Main heading: Surveys

Controlled terms: Electronic commerce - Motivation

Uncontrolled terms: Beginning vlogger - Cold-start - Creative behavior - Creatives - Extrinsic motivation - Identity construction - Intrinsic motivation - Positive emotions - Social media platforms - Vlog

Classification code: 723.5 Computer Applications

Computer Applications

- 912.4 Personnel

Personnel

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

46. Knowledge-based clubhouse adoption intention in the post-covid-19 era in the hospitality industry

Accession number: 20220911724611

Authors: Hsu, Chia-Shiang (1); Chou, Shih-Wei (1); Hsieh, Ming-Chia (2); Opoku, Emmanuel Kwame (1)

Author affiliation: (1) National Kaohsiung University of Hospitality and Tourism, Taiwan; (2) Far East University, Taiwan

Corresponding author: Hsu, Chia-Shiang(jacqueshsu@staff.nkuht.edu.tw)

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Abstract: The COVID-19 pandemic has affected the digital transformation of the hospitality industry and triggered Clubhouse knowledge adoption behavior. Clubhouse engagement in the COVID-19 era has gradually changed the forms of communication. Hospitality industry owners can communicate about their interactions and trades through Clubhouse, and members can share their operating and management experiences. Therefore, hospitality industry owners can learn from and support each other. This study aims to bridge the gap between professional knowledge and management adoption in the community of hospitality industry owners. We treat members' self-regulated and socially regulated learning styles as variables in our analysis of members' behaviors after acquiring knowledge from the community. This study contributes to our understanding of knowledge-based digital transformation processes in the hospitality industry in the post-COVID-19 era. It has implications for both Clubhouse users and hosts. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 27

Main heading: Knowledge based systems

Controlled terms: Electronic commerce

Uncontrolled terms: Adoption intention - Benefit-risk framework - Benefit/risk - Digital transformation - Hospitality industry - Knowledge based - Learning frameworks - Post-adoption behavior - Regulated learning framework - Risk frameworks

Classification code: 723.4.1 Expert Systems

Expert Systems

- 723.5 Computer Applications

Computer Applications

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

47. How do consumers identify useful review information in a social media environment?

Accession number: 20220911724350

Authors: Xu, Qianwen (1); Zheng, Miaomiao (1); Cao, Cong (1); Jiang, Chunping (1)

Author affiliation: (1) Zhejiang University of Technology, Hangzhou, China

Corresponding author: Cao, Cong(congcao@zjut.edu.cn)

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Abstract: The popularity of social network services (SNS) provides consumers with new channels to obtain information, and the convenience and diversity of information help consumers reduce the uncertainty and risk in online shopping. However, with the development of the internet, increasing information is available to consumers, and the information overload of online reviews (ORs) creates higher requirements for consumer information screening. Therefore, how to quickly and accurately identify useful information becomes important. There is much literature discussing the usefulness of online word of mouth and ORs, but these studies generally explore information selection and judgment in the traditional business to consumer environment and do not specifically explore social shopping in SNS. In addition, the existing results often only consider the quality factor of ORs and ignore the influence of consumers' personal choice preferences and the characteristics of OR publishers on consumer behavior. From this, based on the theory of planned behavior and the online trust model, this paper determines the relevant factors and frameworks that affect the usefulness of ORs in the SNS environment. We start from the perspectives of reviewer-related and information-related aspects. Partial least squares structural equation modeling (PLS-SEM) was used to analyze 237 samples for eight factors: credibility, social distance, evaluation (positive and negative), information quality (accuracy, timeliness, and integrity), and presentation. This study enriches the theory of OR usefulness in the SNS environment and provides a reference for the online marketing of enterprises. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 40

Main heading: Consumer behavior

Controlled terms: Electronic commerce - Least squares approximations - Social networking (online)

Uncontrolled terms: Consumer information - Information overloads - New channels - Online reviews - Online shopping - Online trust - Service environment - Social media - Social network services - Uncertainty and risks

Classification code: 723 Computer Software, Data Handling and Applications

Computer Software, Data Handling and Applications

- 723.5 Computer Applications

Computer Applications

- 921.6 Numerical Methods

Numerical Methods

- 931.3 Atomic and Molecular Physics

Atomic and Molecular Physics

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Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

48. Driving forces for digital transformation – Case studies of Q-commerce

Accession number: 20220911724633

Authors: Huang, Minyi (1); Yen, Benjamin P.C. (1)

Author affiliation: (1) The University of Hong Kong, Hong Kong

Corresponding author: Huang, Minyi(huangminyi@hotmail.com)

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Publisher: International Consortium for Electronic Business

Abstract: Companies want to leverage emerging technologies to achieve digital transformation, but most of them are reluctant to take action. This study investigates the driving forces behind digital transformation investment by studying how HKTVMall and Pandamart have invested in new digital technologies to enable q-commerce in Hong Kong, China. Though Pandamart follows a modular approach and HKTVMall follows a staged approach to achieve digital transformation, we have found that in both cases, digital transformation has been driven by economic factors (cost reduction and revenue generation), social factors (changing demographic characteristics and changing customer behavior), and technological factors (proprietary technology advantages and new digital technology capabilities). © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 38

Main heading: Cost reduction

Controlled terms: Electronic commerce - Investments

Uncontrolled terms: Case-studies - Digital technologies - Digital transformation - Driving forces - Emerging technologies - Hong-kong - Innovation - IT infrastructures - IT investments - Q-commerce

Classification code: 723.5 Computer Applications

Computer Applications

Funding Details: Number: 17505018, Acronym: UGC, Sponsor: University Grants Committee; Number: -, Acronym: -, Sponsor: General Research Fund of Shanghai Normal University;

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Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

49. Factors influencing continuance intention to use online learning management system platform

Accession number: 20220911724593

Authors: Mahakhant, Sirayos (1); Rotchanakitumnuai, Siriluck (1)

Author affiliation: (1) Thammasat University, Thailand

Corresponding author: Mahakhant, Sirayos(sirayos-mah62@tbs.tu.ac.th)

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Publisher: International Consortium for Electronic Business

Abstract: Information technology (IT) developments and the COVID-19 pandemic have impacted learning processes, and all educational and organizational systems have adopted e-learning methods. A learning management system (LMS) is one of the most popular systems to support the e-learning process. This ubiquity, recent mass adoption, along with labor population trends in self-development, motivates us to investigate the factors involved in the continuance intention of LMS. Quantitative research was performed on a sample of 239 workers with LMS experience through an online questionnaire developed based on literature. We have found that the continuance intention was influenced by satisfaction and Task-Technology Fit (TTF). Furthermore, satisfaction was also influenced by performance expectancy, effort expectancy, and hedonic motivation. TTF was found to be influenced by task characteristics and technology characteristics. Finally, we have also found that performance expectancy is influenced by confirmation. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 36

Main heading: Learning systems

Controlled terms: E-learning - Electronic commerce

Uncontrolled terms: Continuance intentions - E - learning - Learning management system - Learning platform - Learning process - Online learning - Online learning platform - Performance - Task technology fit

Classification code: 723.5 Computer Applications

Computer Applications

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

50. Toward the development of a revised technology acceptance model

Accession number: 20220911724602

Authors: Chukwuere, Joshua Ebere (1); Ntseme, Onneile Juliet (1); Shaikh, Aijaz A. (2)

Author affiliation: (1) North-West University, South Africa; (2) University of Jyväskylä, Finland

Corresponding author: Shaikh, Aijaz A.(aijaz.a.shaikh@jyu.fi)

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Abstract: This study develops and proposes an extended technology adoption model based on the vast literature. The proposed revised technology adoption model is a five-layer evaluation model that can be used to determine the variables that influence individuals' and organizations' embrace of new technologies. The existing technology

acceptance model (TAM) and its modifications (TAM2 and TAM3) have been applied for decades in varied disciplines, including marketing and information systems, to better predict generic human perceptions, behaviors, and attitudes toward new and existing technologies. The revised TAM is less generic and includes variables pertaining to culture-tech (indigenization) that predict user behaviors and intentions to adopt new technology. This proposed TAM offers the potential to engineer destruction in the development of culture-tech or indigenous technology by allowing local customization of technological contents and features to meet the needs of individuals and organizations, especially those in developing and emerging countries. The revised TAM, if supported empirically, will guide researchers and developers to capitalize on technology innovation rooted in users' indigenous and personal attributes and characteristics. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 50

Main heading: Developing countries

Controlled terms: Behavioral research - Electronic commerce

Uncontrolled terms: Culture-tech - Emerging countries - Evaluation models - Innovation - Model-based OPC - New technology - Revised technology acceptance model - Technology - Technology acceptance model - Technology adoption models

Classification code: 461.4 Ergonomics and Human Factors Engineering

Ergonomics and Human Factors Engineering

- 723.5 Computer Applications

Computer Applications

- 971 Social Sciences

Social Sciences

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

51. UML Artefacts for a Blockchain-enabled Platform for Fairtrade

Accession number: 20220911724618

Authors: Sharma, Ravi (1); Kshetri, Nir (2); Wingreen, Stephen (3); Shaikh, Aijaz A. (4); Altamimi, Fatema (1)

Author affiliation: (1) Zayed University, United Arab Emirates; (2) University of North Carolina, Greensboro, United States; (3) University of Canterbury, New Zealand; (4) University of Jyväskylä, Finland

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Abstract: Fairtrade-certified products have successfully entered the mainstream distribution channels, mostly in developed countries, and these products are now sold in famous supermarket chains. Nonetheless, the packaging and labeling of products as "Fairtrade" command premium pricing in the marketplace. How much of this, however, is valid and justified? Despite the reputable certification mechanisms for quality assurance, mass media reports suggest that much of the "surplus value" goes to the accreditation agencies themselves instead of the producers. This article proposes an agenda to set this right with a blockchain platform that provides "trust-free" assurances of verifiable labeling. Using an Action Design Research methodology, we have specified a research prototype of a Blockchain-enabled Fair-Trade platform Unified Modelling Language artifacts. We believe this will set the direction for social inclusion as part of information systems scholars' aspiration to promote "tech for good." © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 16

Main heading: Quality assurance

Controlled terms: Blockchain - Electronic commerce

Uncontrolled terms: Block-chain - Certified products - Design research methodologies - Developed countries - Digital platforms - Distribution channel - Fairtrade - Labelings - Mass media - Supermarket chains

Classification code: 723.3 Database Systems

Database Systems

- 723.5 Computer Applications

Computer Applications

- 913.3 Quality Assurance and Control

Quality Assurance and Control

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

52. Addressing wealth inequality problem in blockchain-enabled knowledge community with reputation-based incentive mechanism

Accession number: 20220911724614

Authors: Xie, Yongjing (1); Li, Zhihong (1); Xu, Xiaoying (1)

Author affiliation: (1) South China University of Technology, China

Corresponding author: Xu, Xiaoying(bmxyxu@scut.edu.cn)

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Abstract: An increasing number of online knowledge communities have started incorporating the cut-edge FinTech, such as the token-based incentive mechanism running on blockchain, into their ecosystems. However, the improper design of incentive mechanisms may result in reward monopoly, which has been observed to harm the ecosystems of exiting communities. This study is aimed to ensure that the key factors involved in users' reward distribution can truly reflect their contributions to the community so as to increase the equity of wealth distribution. It is one of the first to comprehensively balance a user's historical and current contributions in reward distribution, which has not received sufficient attention from extant research. The simulation analysis demonstrates that the proposed solution of amending the existing incentive mechanism by incorporating a refined reputation indicator significantly increases the equity of rewards distribution and effectively enlarges the cost of achieving reward monopoly. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 27

Main heading: Competition

Controlled terms: Blockchain - Ecosystems - Electronic commerce

Uncontrolled terms: Block-chain - Cut edge - Incentive mechanism - Inequality problem - Key factors - Knowledge communities - Online knowledge communities - Reputation based incentives - Wealth distributions - Wealth inequality

Classification code: 454.3 Ecology and Ecosystems

Ecology and Ecosystems

- 723.3 Database Systems

Database Systems
- 723.5 Computer Applications
Computer Applications
- 911.2 Industrial Economics
Industrial Economics

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Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

53. Text mining-based patent analysis of blockchain technology applications

Accession number: 20220911724622

Authors: Forestal, Roberto Louis (1); Liu, Su-Houn (2); Pi, Shih-Ming (1); Li, Eldon Y. (2)

Author affiliation: (1) College of Business, Chung Yuan Christian University, Zhongli, Taoyuan, Taiwan; (2) Department of Information Management, Chung Yuan Christian University, Zhongli, Taoyuan, Taiwan

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Abstract: This study focuses on the emergence of blockchain-related technologies regarding patenting activity. Blockchain technology has gained the attention of the general public. It has intensified in recent years, making it a fascinating subject of study for a patent analysis to scrutinize the evolution of this technology. However, research using the patent landscape to study the evolution of blockchain technologies is scarce. This article follows a unique methodology and comprehensive search strategy based on patent mapping and text mining to identify and categorize Blockchain patent documents extracted from the United States Patent and Trademark Office and the World Intellectual Property Organization databases. This methodology and dataset can be used for patent landscaping exercises or bibliometric analysis. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 17

Main heading: Patents and inventions

Controlled terms: Blockchain - Data mining - Electronic commerce

Uncontrolled terms: Block-chain - Blockchain technology - General publics - Patent analysis - Patent landscape - Patent mappings - Patenting activities - Search strategies - Technology application - Topic identification

Classification code: 723.2 Data Processing and Image Processing

Data Processing and Image Processing

- 723.3 Database Systems

Database Systems

- 723.5 Computer Applications

Computer Applications

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

54. A netnography of the social media presence of brand Netflix, India

Accession number: 20220911724621

Authors: Arora, Perna (1); Ahuja, Vandana (1)

Author affiliation: (1) Amity Business School, Amity University, Uttar Pradesh, India

Corresponding author: Arora, Perna(prerna.aarora97@gmail.com)

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Abstract: Social media marketing is growing at a rapid pace. Marketers need to keep up with technology-savvy consumers and help the brands in reaching greater heights with the help of social media practices. This manuscript presents how an Over-the-Top platform like Netflix India uses social media as a digital tool for enhancing consumer engagement and building strong consumer-brand relationships using netnography as a tool. This manuscript further attempts to classify the content generated by Netflix India on its social media platforms-Instagram, Facebook, Twitter into diverse content typologies, identify the most significant content typology, and understand how the number of likes, comments, shares, retweets (in case of Twitter) relating to most significant content typology impacts the enhancement of consumer engagement amongst Netflix audience. Thereafter, the research study classifies the content generated by Netflix into three categories, namely-informational content, promotional content, and relational content. The study is further able to empirically illustrate how a greater number of likes, shares, comments, and retweets on relational content has a significant impact on consumer engagement of the brand Netflix. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 20

Main heading: Social networking (online)

Controlled terms: Digital devices - Electronic commerce - Marketing

Uncontrolled terms: Consumer engagement - Digital tools - Marketing IS - Media presences - Netflix - Netnography - OTT platform - Social media - Social media marketings - Social media practices

Classification code: 723 Computer Software, Data Handling and Applications

Computer Software, Data Handling and Applications

- 723.5 Computer Applications

Computer Applications

- 911.4 Marketing

Marketing

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

55. How Does Word of Mouth from Different Components Systems Influence Product Sales differently?

Accession number: 20220911724355

Authors: Jia, Qiong (1); Chen, Juewen (1)

Author affiliation: (1) Hohai University, China

Corresponding author: Jia, Qiong(jiaqionghit@163.com)

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Abstract: Online word-of-mouth (WOM) has become an important reference for customers' online purchase decisions. However, current studies ignore the various effects of WOM in different components, i.e., online reviews and the replies in the question and answer (Q&A) discussion area. To fill such a research gap, this study explores the relationship between WOM in two different forms and product sales. We measure the semantic features and thematic consistency of two forms of WOM and product sales. The findings show that the review component and Q&A component differ significantly in terms of quantity and content richness, with the review component being richer and more voluminous and the Q&A section having less content and relatively less quantity in comparison. Besides, the OLS results suggest that topic consistency has a negative impact on product sales, while the richness characteristics of both have a positive impact on product sales, and that the content richness of the Q&A component has a greater impact on sales than the review component. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 30

Main heading: Sales

Controlled terms: Electronic commerce - Online systems - Semantics

Uncontrolled terms: Component systems - Online review component - Online reviews - Online word of mouths - Product sales - Question and answer component - Semantic features - Topic consistency - User-generated - User-generated content text analyse

Classification code: 722.4 Digital Computers and Systems

Digital Computers and Systems

- 723.5 Computer Applications

Computer Applications

Funding Details: Number: 295837, Acronym: FRQSC, Sponsor: Fonds de Recherche du Québec;bec-Socié et Culture; Number: 71702045,71872061,72061127002, Acronym: NSFC, Sponsor: National Natural Science Foundation of China; Number: B210207008, Acronym: -, Sponsor: Fundamental Research Funds for the Central Universities;

Funding text: Thanks to Professor Jia Qiong for her contribution and guidance on this article. Generous financial support was provided by the National Natural Science Foundation of China [grant numbers 71872061, 71702045], the Key Program of NSFC-FRQSC Joint Project (NSFC No. 72061127002, FRQSC No. 295837), and Fundamental Research Funds for the Central Universities [grant numbers B210207008].

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

56. Scares and stocks: Evidence from Twitter sentiments during covid-19

Accession number: 20220911724354

Authors: Lai, Senxiao (1); Miao, Yue (2); Xin, Fu (2)

Author affiliation: (1) Case Western Reserve University, United States; (2) Business School of Hohai University, China

Corresponding author: Xin, Fu(xinfu@hhu.edu.cn)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: This paper examines the investor reaction of firm-specific pessimistic sentiment extracted from Twitter messages during the pandemic period due to the Covid-19. We find that Twitter sentiment predicts stock returns without subsequent reversals. This finding is consistent with the view that tweets provide information not already reflected in stock prices during the pandemic period. We investigate possible sources of return predictability with a Twitter sentiment. The results show that Twitter's pessimistic sentiment towards the Covid-19 provides new information about the investor. This information explains about one-third of the predictive ability of Twitter sentiment for stock returns. Our findings shed new light on the predictive value of social media content for stock returns. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 9

Main heading: Social networking (online)

Controlled terms: Electronic commerce - Financial markets - Investments

Uncontrolled terms: Covid-19 - Investor's sentiments - Media content - Predictive abilities - Predictive values - Returns predictabilities - Social media - Stock price - Stock returns

Classification code: 723 Computer Software, Data Handling and Applications

Computer Software, Data Handling and Applications

- 723.5 Computer Applications

Computer Applications

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

57. Innovation quality, customer innovation, and innovation culture: The relationship mediated by social media

Accession number: 20220911724608

Authors: Jing, Ning Ning (1); Li, Ya Ling (1); Sheng, Ming (2)

Author affiliation: (1) Hohai University, Nanjing, China; (2) The University of New South Wales, Australia

Corresponding author: Jing, Ning Ning(nnjing@hhu.edu.cn)

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Issue title: Proceedings of the 21st International Conference on Electronic Business: "Corporate Resilience through Electronic Business in the Post-COVID Era", ICEB 2021

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Conference location: Virtual, Online, China

Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: Research on the relationship between innovation culture and innovation quality from the perspective of customer innovation is a hot topic in the field of innovation. This article, through the questionnaire survey to 65 innovative enterprises in China, using the structural equation model and hierarchical multiple regression analysis for validating the proposed hypothesis, discusses the relationship between the innovative culture, customer innovation, and innovation quality. The results show that there is a significant positive correlation between innovation culture and innovation quality, customer innovation and innovation quality, and innovation culture and customer innovation. Customer innovation partially mediates the impact of innovation culture on innovation quality, and social media strengthens the role of customer innovation in promoting innovation quality. Customer innovation in culture on enterprise innovation quality partial mediation effect in the process, the influence of the social media to strengthen the customer innovation role in promoting the quality of innovation. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 65

Main heading: Social networking (online)

Controlled terms: Electronic commerce - Regression analysis - Sales - Surveys

Uncontrolled terms: Customer innovations - Hot topics - Innovation Culture - Innovation quality - Innovative enterprise - Multiple regression analysis - Quality customers - Questionnaire surveys - Social media - Structural equation models

Classification code: 723 Computer Software, Data Handling and Applications

Computer Software, Data Handling and Applications

- 723.5 Computer Applications

Computer Applications

- 922.2 Mathematical Statistics

Mathematical Statistics

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

58. Customer-centered and Technology-Enabled Homecare Service: Opportunities for value creation

Accession number: 20220911724597

Authors: Hung, Wei-Hsi (1); Li, Eldon Y. (2); Chen, Yu-Hang (1)

Author affiliation: (1) Department of MIS, National Chengchi University, Taiwan; (2) National Chung Cheng University, Taiwan

Corresponding author: Chen, Yu-Hang(109356041@g.nccu.edu.tw)

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Conference location: Virtual, Online, China

Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: In the advancement of society, the ability to provide quality healthcare has been increased, and the use of smart technology in the healthcare environment has been widely seen. The study uses in-depth interviews and field observation methods to collect data, aiming at understanding the perspectives and needs towards technology-enabled services. In addition, according to the results of the interviews, the user journey maps for each of the three technological solutions (smart pillbox, smart mattress, wearable device) we proposed have been drawn, and the pain points, touchpoints as well as opportunities of each role have been discussed and summarized. Lastly, the blueprint of the entire home care service has been depicted, which we expected to provide a reference for home care service providers for applying smart technologies to their homecare service models and create new value from managing their operations. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 18

Main heading: Blueprints

Controlled terms: Electronic commerce - Health care - Wearable technology

Uncontrolled terms: Home care - Home-care services - Pain point - Process Improvement - Service blueprint - Service process - Service process improvement - Smart technology - User journey map - Value creation

Classification code: 461.7 Health Care

Health Care

- 723.5 Computer Applications

Computer Applications

- 745 Printing and Reprography

Printing and Reprography

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

59. Supporting learning and working in disastrous pandemics by smart technologies: A qualitative analysis

Accession number: 20220911724595

Authors: Weng, Wei Hsiu (1); Hung, Wei-Hsi (1)

Author affiliation: (1) Department of Management Information Systems, National Chengchi University, Taiwan

Corresponding author: Weng, Wei Hsiu(wengvictor@gmail.com)

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Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: During the breakout of coronavirus disease (COVID-19), smart technologies were perceived to provide convenience and assistance for people, enterprises, and government units. Although there is literature maintaining that smart technology can facilitate pandemic strategy and response in ways that are difficult to achieve manually, some other literature indicated that smart technologies were not desirable alternatives to people during this pandemic. MIS education is a career preparation for IT professionals who use smart technology in organizations. IT professionals with MIS education backgrounds may have important roles when facing COVID-19. Moreover, many MIS students will become IT professionals and join the workforce for combatting the pandemic using smart technologies with their background of MIS education. This study intends to analyze smart technology utilization in the confrontation of the COVID-19 pandemic with a qualitative approach. The results could provide reflective insights for MIS education

providers, human resource units, IT firms, and organizations confronting COVID-19 outbreaks. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 26

Main heading: Information management

Controlled terms: E-learning - Electronic commerce - Engineering education

Uncontrolled terms: AND joins - Career preparations - Coronaviruses - COVID-19 - IT professional - Qualitative analysis - Qualitative approach - Resource units - Smart technology - Technology utilization

Classification code: 723.5 Computer Applications

Computer Applications

- 901.2 Education

Education

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

60. Online learning vs. Offline learning in an MIS course: Learning outcomes, readiness, and suggestions for the post-covid-19 world

Accession number: 20220911724594

Authors: Thongmak, Mathupayas (1); Ruangwanit, Nopporn (1)

Author affiliation: (1) Thammasat University, Bangkok, Thailand

Corresponding author: Thongmak, Mathupayas(mathupayas@tbs.tu.ac.th)Ruangwanit, Nopporn(nopporn@tbs.tu.ac.th)

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Publisher: International Consortium for Electronic Business

Abstract: This study aims to compare learning outcomes and technology readiness in online versus offline learning and to find suggestions from the viewpoint of learners. Besides, this study also compares differences in students' perceptions among learning styles. The associations between several factors such as experience and gender, and learning preferences are also explored. A questionnaire was developed to gather data from students who enrolled in an MIS course during the middle of the COVID-19 pandemic. Around half of the students were assigned to study the topic 'using MS Excel basics' in offline sessions, whereas the rest were assigned to learn through recorded videos online. Responses from 44 students, together with their comments and suggestions, were used for data analysis. This study found that both online and offline delivery methods can improve students' cognitive processes according to the Revised Bloom's Taxonomy and their topic interest significantly. On-campus classes could significantly enhance students' class attendance intention, but online classes could not. The cognitive process of RBT in terms of evaluating MS Excel content and class attendance intention of online students were significantly lower than offline students. Students also felt that place, equipment, and software on-campus were more ready than online environments. This work provides guidelines for both lecturers and universities in choosing teaching methods for using basic tools after the COVID-19 situation pass, selecting proper course types, designing course activities, and providing sufficient supports for better online learning outcomes. Research gaps suggested by past studies are filled up in this study. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 82

Main heading: Students

Controlled terms: Cognitive systems - E-learning - Electronic commerce - Teaching
Uncontrolled terms: Cognitive process - COVID-19 - Face-to-face learning - Learning outcome - MIS education - MS Excel - Off-line learning - Offline - Online learning - Student perceptions
Classification code: 723.5 Computer Applications
Computer Applications
Compendex references: YES
Database: Compendex
Compilation and indexing terms, Copyright 2022 Elsevier Inc.
Data Provider: Engineering Village

61. Cybervetting perceptions of job seekers in Saudi Arabia

Accession number: 20220911724619
Authors: AlZamel, Omar A. (1); Al-Jabri, Ibrahim M. (1)
Author affiliation: (1) King Fahd University of Petroleum & Minerals, Saudi Arabia
Corresponding author: AlZamel, Omar A.(oalzamel@kfupm.edu.sa)
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Pages: 108-116
Language: English
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Conference date: December 3, 2021 - December 7, 2021
Conference location: Virtual, Online, China
Conference code: 177243

Publisher: International Consortium for Electronic Business
Abstract: Organizations have leveraged the use of social media (SM) in recruitment and selection to reach a wider pool of job applicants. The purpose of this study is to understand the perceptions of job seekers in Saudi Arabia using the job seekers' attitudes toward the cybervetting (ATC) scale. This research is a quantitative cross-sectional study in which an online questionnaire was distributed among the target population who were seeking jobs and using social media sites. The ATC was translated to Arabic language and back-translated to English language and administered to a sample of 160 job applicants. The results showed negative perceptions of social media use as a screening and selection tool. Moreover, respondents perceived cybervetting negatively on the three dimensions tested: justice perceptions, privacy invasion, and face validity. The findings of this study have practical implications for human resources managers about the use of social media as an employee selection tool. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 31
Main heading: Human resource management
Controlled terms: Electronic commerce - Social networking (online) - Translation (languages)
Uncontrolled terms: Applicant reaction - Cross-sectional study - Cybervetting - Human resources management - Job applicant - Job seekers - Online questionnaire - Recruitment and selection - Saudi Arabia - Social media
Classification code: 723 Computer Software, Data Handling and Applications
Computer Software, Data Handling and Applications
- 723.5 Computer Applications
Computer Applications
- 903.1 Information Sources and Analysis
Information Sources and Analysis
- 912.2 Management
Management
- 912.4 Personnel
Personnel
Compendex references: YES
Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

62. Review of neural network algorithms

Accession number: 20220911724365

Authors: Liu, Meiyong (1); Jiang, Yibo (2)

Author affiliation: (1) Hohai University, Nanjing, China; (2) Jiangsu Huaiyin Water Conservancy Construction Group Co., Ltd., China

Corresponding author: Jiang, Yibo(16920170@qq.com)

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Conference location: Virtual, Online, China

Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: The artificial neural network is the core tool of machine learning to realize intelligence. It has shown its advantages in the fields of sound, image, sound, picture, and so on. Since entering the 21st century, the progress of science and technology and people's pursuit of artificial intelligence have introduced the research of artificial neural networks into an upsurge. Firstly, this paper introduces the application background and development process of the artificial neural network in order to clarify the research context of neural networks. Five branches and related applications of single-layer perceptron, linear neural network, BP neural network, Hopfield neural network, and depth neural network are analyzed in detail. The analysis shows that the development trend of the artificial neural network is developing towards a more general, flexible, and intelligent direction. Finally, the future development of the artificial neural network in training mode, learning mode, function expansion, and technology combination has prospected. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 31

Main heading: Multilayer neural networks

Controlled terms: Electronic commerce - Hopfield neural networks - Network layers

Uncontrolled terms: BP neural networks - Core tools - Development process - Development trends - Linear neural network - Neural networks algorithms - Neural-networks - Science and Technology - Single-layer perceptrons - Sound image

Classification code: 723 Computer Software, Data Handling and Applications

Computer Software, Data Handling and Applications

- 723.5 Computer Applications

Computer Applications

Funding Details: Number: 2019054, Acronym: JUST, Sponsor: Jiangsu University of Science and Technology;

Funding text: Supported by the Jiangsu water conservancy science and technology project (2019054).

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

63. Sustainable smart transportation system: Through the lens of a smart city in an emerging country

Accession number: 20220911724617

Authors: Vaithilingam, Santha (1); Teh, Pei-Lee (2); Ahmed, Pervaiz K. (1); Ho, Sui-Jon (1); Nair, Mahendhiran S. (1); Tan, Chee Pin (2)

Author affiliation: (1) Institute for Global Strategy and Competitiveness, Sunway University Business School, Sunway University, Selangor Darul Ehsan, Malaysia; (2) School of Business, Monash University Malaysia, Selangor Darul Ehsan, Malaysia

Corresponding author: Teh, Pei-Lee(teh.pei.lee@monash.edu)

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Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: Environmental and social sustainability continue to challenge urban development agendas, especially in emerging markets. Past literature on the topic of smart, sustainable cities has focused relatively less on developing countries – however, during the transient phase, such economies undergo several stages of development which this paper endeavors to investigate. The goal is to define key dimensions essential for evolving existing urban sites into a sustainable ecosystem. In this context, this study puts forward a framework consisting of five pillars: Scalability, Connection, Availability, Productivity, and Environment (SCAPE) to guide the implementation of sustainable cities in developing and tropical countries. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 19

Main heading: Sustainable development

Controlled terms: Developing countries - Electronic commerce - Smart city - Urban growth

Uncontrolled terms: Emerging countries - Emerging markets - Environmental and social sustainability - Key dimensions - Malaysia - Sustainable cities - Through the lens - Transient phase - Transportation system - Urban development

Classification code: 403.1 Urban Planning and Development

Urban Planning and Development

- 723.5 Computer Applications

Computer Applications

Funding Details: Number: MMRD-SOE-002, Acronym: -, Sponsor: -;

Funding text: This work was financially supported by the Sunway Berhad (MMRD-SOE-002). We also extend our heartfelt gratitude to Sunway Berhad for their support in recruiting participants and Kaveendra Vasuthevan and Elizabeth Lee Jia Huei for their research assistance.

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

64. Prioritizing critical cloud services for disastrous pandemics: A media richness perspective

Accession number: 20220911724598

Authors: Weng, Wei Hsiu (1)

Author affiliation: (1) Department of Management Information Systems, National Chengchi University, Taiwan

Corresponding author: Weng, Wei Hsiu(wengvictor@gmail.com)

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Conference location: Virtual, Online, China

Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: During the breakout of coronavirus disease (COVID-19), cloud computing applications provide great convenience and assistance for people, enterprises, and government units. So far, studies of the priority of cloud services under disastrous situations are relatively scant. This research thus examines supportive cloud services which influence the sustainability of people and organizations. An empirical study was performed using SMARTER method with data collected from industry experts. The results conclude a relative priority map of the cloud services facing pandemics. Research implications and suggestions are then elaborated. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 33

Main heading: Coronavirus

Controlled terms: Distributed database systems - Electronic commerce - Web services

Uncontrolled terms: Cloud services - Cloud-computing - Computing applications - Coronavirus disease (COVID-19) - Coronaviruses - Empirical studies - Media richness - Rank order centroid - Rank ordering - SMARTER

Classification code: 461.6 Medicine and Pharmacology

Medicine and Pharmacology

- 723.3 Database Systems

Database Systems

- 723.5 Computer Applications

Computer Applications

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

65. Augmented reality applied in road excavation system of government

Accession number: 20220911724360

Authors: Lin, Yi-Luen (1); Hung, Wei-Hsi (1)

Author affiliation: (1) Department of Management Information Systems, National Chengchi University, Taiwan

Corresponding author: Lin, Yi-Luen(110356501@nccu.edu.tw)

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Conference date: December 3, 2021 - December 7, 2021

Conference location: Virtual, Online, China

Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: As one of the presentative novel technologies in recent years, Augmented Reality (AR) has gotten the ROC government's attention, and thereby the AR-related applications have been taken into official account in facilitating citizen life. In this research, first, a sort-out of the definitions and the scope of three types of Realities—AR, VR, MR—will be offered to tell the much more realistic dimension of AR. Under the official road excavation context in X city via observation method, second, specific AR applications will be proposed by illustrating it in the pre-excavation, the excavation, and the post-excavation phases, respectively. By cross-referencing between the official road excavation system and public infrastructure pipeline databases, third, the related data of pipeline maps could endow the current AR positioning with better accuracy and directionality. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 7

Main heading: Pipelines

Controlled terms: Augmented reality - Electronic commerce - Excavation - Roads and streets

Uncontrolled terms: 'current - Augmented reality applications - Observation method - Public infrastructure pipeline database - Public infrastructures - Road excavation - System infrastructure

Classification code: 406.2 Roads and Streets

Roads and Streets

- 619.1 Pipe, Piping and Pipelines

Pipe, Piping and Pipelines

- 723 Computer Software, Data Handling and Applications

Computer Software, Data Handling and Applications

- 723.5 Computer Applications

Computer Applications

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

66. Navigational guidance – A deep learning approach

Accession number: 20220911724628

Authors: Yen, Benjamin (1); Luo, Yu (1)

Author affiliation: (1) The University of Hong Kong, Hong Kong

Corresponding author: Yen, Benjamin(benyen@hku.hk)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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Conference location: Virtual, Online, China

Conference code: 177243

Publisher: International Consortium for Electronic Business

Abstract: The useful navigation guidance is favorable to considerably reducing navigation time. The navigation problems involved with multiple destinations are formulated as the Directed Steiner Tree (DST) problems over directed graphs. In this paper, we propose a deep learning (to be exact, graph neural networks) based approach to tackle the DST problem in a supervised manner. Experiments are conducted to evaluate the proposed approach, and the results suggest that our approach can effectively solve the DST problems. In particular, the accuracy of the network model can reach 95.04% or even higher. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 56

Main heading: Deep learning

Controlled terms: Air navigation - Directed graphs - Electronic commerce - Graph neural networks

Uncontrolled terms: Directed steiner trees - Graph neural networks - Learning approach - Multiple destinations - Navigation guidance - Navigation problem - Navigational guidance - Network models - Network-based approach - Steiner tree problem

Classification code: 431.5 Air Navigation and Traffic Control

Air Navigation and Traffic Control

- 461.4 Ergonomics and Human Factors Engineering

Ergonomics and Human Factors Engineering

- 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

- 921.4 Combinatorial Mathematics, Includes Graph Theory, Set Theory

Combinatorial Mathematics, Includes Graph Theory, Set Theory

Numerical data indexing: Percentage 9.504E+01%

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2022 Elsevier Inc.

Data Provider: Engineering Village

67. Automatic recognition of knowledge characteristics of scientific and technological literature from the perspective of text structure

Accession number: 20220911724356

Authors: Ma, Huan (1); Fu, Zhu (2); Jia, Qiong (1)

Author affiliation: (1) Hohai University, Nanjing, China; (2) Jiangsu University of Science and Technology, Zhenjiang, China

Corresponding author: Jia, Qiong(jiaqiong@163.com)

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Abstract: This paper independently explores the chapter structure of scientific and technological literature in the field of shipbuilding in the natural sciences and the field of library and information in the social sciences. The chapter structure model of previous studies, namely 'background, purpose, method, result, conclusion, demonstration,' is quoted as the verification object of the document chapter structure in the field of exploration. In order to verify the rationality of the structure, this paper uses the deep learning models TextCNN, DPCNN, TextRCNN, and BiLSTM-Attention as experimental tools, and designs 5-fold cross-validation experiment and normal experiment, and finally verifies the rationality of the model structure, and It is concluded that the BiLSTM-Attention model can better identify the chapter structure in this field. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 11

Main heading: Ships

Controlled terms: Character recognition - Deep learning - E-learning - Electronic commerce - Shipbuilding - Shipyards

Uncontrolled terms: Attention model - Automatic recognition - Chapter structure - Cross validation - Deep learning - Knowledge characteristics - Learning models - Library and information - Structure models - Text structure

Classification code: 461.4 Ergonomics and Human Factors Engineering

Ergonomics and Human Factors Engineering

- 673.1 Shipbuilding

Shipbuilding

- 673.3 Shipyards

Shipyards

- 723.5 Computer Applications

Computer Applications

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68. Factors affecting the consumers' purchase intention and willingness-to-pay more for electric-vehicle technology

Accession number: 20220911724596

Authors: Bhutto, Maqsood H. (1); Shaikh, Aijaz A. (1); Sharma, Ravishankar (2)

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Abstract: This study conducted an in-depth analysis of the factors affecting consumers' intention to purchase and willingness to pay more for an electric vehicle (EV) in the developing-country context, extending the theory of planned behavior with two new variables: environmental concern and willingness to pay (WTP) a premium. Survey data were collected from 358 responses and were analyzed using partial least squares structural equation modeling. Multi-group analysis was conducted, and the moderating role of gender was examined. The findings showed the significant effects of the theory-of-planned-behavior variables and environmental concern on EV technology purchase intention. The present study provides theoretical contributions and policy guidelines concerning high (vs. low)-sensitivity consumer attitudes toward EV technology that marketers and automobile manufacturers can make use of when designing and strategizing their pricing strategies. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 95

Main heading: Automotive industry

Controlled terms: Automotive industry - Consumer behavior - Developing countries - Electric vehicles - Electronic commerce - Environmental technology - Least squares approximations - Purchasing - Sales
Uncontrolled terms: Consumer purchase - Electric vehicle technology - Environmental concerns - In-depth analysis - Purchase intention - Survey data - Theory of Planned Behavior - Vehicle technology - Willingness to pay - Willingness to pay more
Classification code: 454 Environmental Engineering
Environmental Engineering
- 662.1 Automobiles
Automobiles
- 723.5 Computer Applications
Computer Applications
- 921.6 Numerical Methods
Numerical Methods
- 931.3 Atomic and Molecular Physics
Atomic and Molecular Physics
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Data Provider: Engineering Village

69. Understanding the sustainability factors in critical information systems for disastrous pandemics: A knowledge-based view

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Authors: Weng, Wei Hsiu (1)
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Abstract: During the difficult time of coronavirus outbreaks, global environmental disasters, and financial turmoil, developing and deploying sustainable information systems is a crucial management task for ensuring the functionality of enterprise information processing and thus sustaining competitiveness. This study develops a set of criteria for sustainable information systems using the decision-making trial and evaluation laboratory (DEMATEL) method. By referring to the theory of knowledge-based view and sustainability, this study constructed a research framework in which the selection attributes reflect core knowledge elements of a sustainable information system. An empirical study was performed using the DEMATEL method with data collected from industry experts. The results conclude a cause and effect relationship of the knowledge factors influencing information system sustainability. The study discovered that the economical aspect is a causal factor of environmental aspect and social aspect for sustainability considerations. Furthermore, commercial IT solution knowledge, eco-design knowledge, and workplace safety and health knowledge are the most influential knowledge components for the economic, environmental, and social aspects of information system sustainability, respectively. © 2021 International Consortium for Electronic Business. All rights reserved.
Number of references: 50
Main heading: Information use

Controlled terms: Competition - Decision making - Economic and social effects - Electronic commerce - Information management - Knowledge based systems - Social aspects - Sustainable development
Uncontrolled terms: Coronaviruses - COVID-19 - Decision-making trial and evaluation laboratory - Decisions makings - Environmental disasters - Knowledge-based views - Laboratory methods - Management tasks - System sustainability - Theories of knowledge

Classification code: 723.4.1 Expert Systems

Expert Systems

- 723.5 Computer Applications

Computer Applications

- 901.4 Impact of Technology on Society

Impact of Technology on Society

- 903.3 Information Retrieval and Use

Information Retrieval and Use

- 911.2 Industrial Economics

Industrial Economics

- 912.2 Management

Management

- 971 Social Sciences

Social Sciences

Compendex references: YES

Database: Compendex

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70. Data governance in data mesh infrastructures: The Saxo bank case study

Accession number: 20220911724601

Authors: Joshi, Divya (1); Pratik, Sheetal (2); Rao, Madhu Podila (3)

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Abstract: Data governance (DG) is the management of data in a manner that the value of data is maximised and data related risks are minimised. Three aspects of DG are data catalogue, data quality, and data ownership and these aim to provide transparency, foster trust, and manage access and control the data. DG solution involves change management and alignment of incentives and mere technology is not enough to address this. In this paper we aim to provide a holistic view of data governance that is a synthesis of academic and practitioner viewpoints, and conclude by giving an example of a pilot case study (Saxo Bank) where authors worked on tech and cultural interventions to address the data governance challenges. © 2021 International Consortium for Electronic Business. All rights reserved.

Number of references: 6

Main heading: Electronic commerce

Controlled terms: Access control

Uncontrolled terms: Case-studies - Catalog data - Change management - Change management and alignment of incentive - Data governances - Data quality - Data related risk - Governance - Related risk - Trust in data

Classification code: 723 Computer Software, Data Handling and Applications

Computer Software, Data Handling and Applications

- 723.5 Computer Applications

Computer Applications

Compendex references: YES

Database: Compendex

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