

Comparative Study Of Online Tools In Preparation For

While online learning has become pervasive in many fields in higher education, it has been adopted somewhat slower in teacher education. In addition, more research is needed to empirically evaluate the effectiveness of online education in teacher preparation. *Teacher Education Programs and Online Learning Tools: Innovations in Teacher Preparation* presents information about current online practices and research in teacher education programs, and explores the opportunities, methods, and issues surrounding technologically innovative opportunities in teacher preparation. It presents empirical evidence of teacher candidate learning and assessment in the context of various online aspects of teacher licensure.

As customer orientation continues to gain importance in the marketing field, there has been a growing concern for organizations to implement effective customer centric policies. *Customer-Centric Marketing Strategies: Tools for Building Organizational Performance* provides a more conceptual understanding on customer-centric marketing strategies as well as revealing the success factors of these concepts. This book will discuss how to improve the organization's financial and marketing performance.

Across the member states of the Council of Europe, both the blocking and removal of online material are frequently treated in a similar way. However, the existence or the lack of a legislative framework specifically targeted to the internet, and the specificities of national regulatory "models" translate in different practices and can be a challenge for the states concerned. The Council of Europe commissioned a comparative study from the Swiss Institute of Comparative Law in respect of filtering, blocking and take-down of illegal content on the internet in the 47 member states of the Organisation. This study describes and assesses the legal framework but also the relevant case-law and practice in the field. It comprises a comparative analysis – which is the subject of this publication – and country reports (available on the website: www.coe.int/freedomofexpression).

Advancements in technology have allowed for the creation of new tools and innovations that can improve different aspects of life. These applications can be utilized across different technological platforms. *Application Development and Design: Concepts, Methodologies, Tools, and Applications* is a comprehensive reference source for the latest scholarly material on trends, techniques, and uses of various technology applications and examines the benefits and challenges of these computational developments. Highlighting a range of pertinent topics such as software design, mobile applications, and web applications, this multi-volume book is ideally designed for researchers, academics, engineers, professionals, students, and practitioners interested in emerging technology applications.

The new generation of internet technologies and web applications is seeing a growth in social software and networking, as well as other communications tools. This infrastructure of social interaction and collaboration has provided an increase in more dynamic user participation and expertise in knowledge of contents and facts traditionally only held by experts. *Social Software and the Evolution of User Expertise: Future Trends in Knowledge Creation and Dissemination* examines the vital role that social software applications play in regards to the cultural definitions of experts and challenges the reader to consider how recent changes in this area influence how we create and distribute knowledge. This collection brings together scholars and practitioners from various disciplines and professions to project a new kind of thinking about the understanding of the major changes in many professions.

Developments in technologies have evolved in a much wider use of technology throughout science, government, and business; resulting in the expansion of geographic information systems. GIS is the academic study and practice of presenting geographical data through a system designed to capture, store, analyze, and manage geographic information. *Geographic Information Systems: Concepts, Methodologies, Tools, and Applications* is a collection of knowledge on the latest advancements and research of geographic information systems. This book aims to be useful for academics and practitioners involved in geographical data.

Methodologies, Tools and New Developments for E-Learning BoD – Books on Demand

In light of the increased utilization of information technologies, such as social media and the 'Internet of Things,' this book investigates how this digital transformation process creates new challenges and opportunities for political participation, political election campaigns and political regulation of the Internet. Within the context of Western democracies and China, the contributors analyze these challenges and opportunities from three perspectives: the regulatory state, the political use of social media, and through the lens of the public sphere. The first part of the book discusses key challenges for Internet regulation, such as data protection and censorship, while the second addresses the use of social media in political communication and political elections. In turn, the third and last part highlights various opportunities offered by digital media for online civic engagement and protest in the public sphere. Drawing on different academic fields, including political science, communication science, and journalism studies, the contributors raise a number of innovative research questions and provide fascinating theoretical and empirical insights into the topic of digital transformation.

Many can now conclude that utilizing educational technologies can be considered the primary tools to inspire students to learn. Combining these technologies with the best teaching and learning practices can engage in creativity and imagination in the engineering field. *Using Technology Tools to Innovate Assessment, Reporting, and Teaching Practices in Engineering Education* highlights the lack of understanding of teaching and learning with technology in higher education engineering programs while emphasizing the important use of this technology. This book aims to be essential for professors, graduate, and undergraduate students in the engineering programs interested learning the appropriate use of technological tools.

Includes articles in topic areas such as autonomic computing, operating system architectures, and open source software technologies and applications.

We need to understand how to utilize Geospatial Research in order to help us solve problems in environmental, life science, and defense industries, as well as intelligence, natural resources, medical and public safety industries.

Emerging Methods and Multidisciplinary Applications in Geospatial Research exemplifies the usage of geographic information science and technology (GIS&T) to explore and resolve geographical issues from various application domains within the social and/or physical sciences. It specializes in studies from applied geography that interfaces with geographic information science and technology. This publication is designed to provide planners and policy analysts, practitioners, academicians, and others using GIS&T useful studies that might support decision-making activities.

Protein structural alignment is important for studying similarities between proteins. Various protein structural alignment tools have been developed for this task. These alignment tools have different characteristics and strategies on which they are based. In order to find out which structural alignment tool is the best for the application in hand and to develop better tools it is very important to classify the tools into groups based on these strategies and characteristics. In this research we have studied several protein structural alignment tools and categorized them based on several properties. This provides a basis and background work for the development of future structural alignment tools. Typically the developers of a given structural alignment program test the program on a few pairs of proteins and comment on its comparison with other previously developed tools. Although there are a large number of alignment tools available, the tools have never

been subjected to a comprehensive and critical comparative analysis on the basis of a common data set or test bench. The absence of such a common data set is the major reason for the lack of this analysis. In this research, we propose a benchmark data set to test any protein structural alignment program. This data set is composed of 221 protein pairs and is divided into 11 categories. We have tested all the online available structural alignment tools on this data set and analyzed their performance. On the basis of the alignment results we have computed overall rankings of these alignment tools using three different rating methods.

Genau wie politische Parteien müssen sich die Regierungen an die Anforderungen der digitalen Sphäre anpassen, da ihre Legitimität von ihrer Fähigkeit abhängt, Entscheidungen den Bürgern mitzuteilen. Trotz umfangreicher Untersuchungen darüber, wie das Internet die politische Kommunikation verändert, ist wenig darüber bekannt, wie Regierungen digitale Technologie nutzen. Es gibt auch wenig Forschung darüber, wie unterschiedliche politische Systeme die Nutzung von Technologien beeinflussen. Daher untersucht diese vergleichende Studie wie Regierungsorganisationen in Deutschland und Großbritannien Webseiten und Social Media nutzen, um mit Bürgern und Medien zu interagieren. Der empirische Ansatz umfasst eine Inhaltsanalyse von Webseiten und Social Media sowie eine Social Network-Analyse von Twitter-Netzwerken. Die Ergebnisse zeigen, dass die Ministerien überwiegend Webseiten und Social Media für One-Way-Kommunikation nutzen und dass es eine zunehmende Personalisierung der Kommunikation gibt.

Every year, an estimated 1.7 million Americans sustain brain injury. Long-term disabilities impact nearly half of moderate brain injury survivors and nearly 50,000 of these cases result in death. Brain Neurotrauma: Molecular, Neuropsychological, and Rehabilitation Aspects provides a comprehensive and up-to-date account on the latest developments in the area of neurotrauma, including brain injury pathophysiology, biomarker research, experimental models of CNS injury, diagnostic methods, and neurotherapeutic interventions as well as neurorehabilitation strategies in the field of neurotrauma research. The book includes several sections on neurotrauma mechanisms, biomarker discovery, neurocognitive/neurobehavioral deficits, and neurorehabilitation and treatment approaches. It also contains a section devoted to models of mild CNS injury, including blast and sport-related injuries. Over the last decade, the field of neurotrauma has witnessed significant advances, especially at the molecular, cellular, and behavioral levels. This progress is largely due to the introduction of novel techniques, as well as the development of new animal models of central nervous system (CNS) injury. This book, with its diverse coherent content, gives you insight into the diverse and heterogeneous aspects of CNS pathology and/or rehabilitation needs.

With the growth of information technology, many new communication channels and platforms have emerged. This growth has advanced the work of crowdsourcing, allowing individuals and companies in various industries to coordinate efforts on different levels and in different areas. Providing new and unique sources of knowledge outside organizations enables innovation and shapes competitive advantage. Crowdsourcing: Concepts, Methodologies, Tools, and Applications is a collection of innovative research on the methods and applications of crowdsourcing in business operations and management, science, healthcare, education, and politics. Highlighting a range of topics such as crowd computing, macrotasking, and observational crowdsourcing, this multi-volume book is ideally designed for business executives, professionals, policymakers, academicians, and researchers interested in all aspects of crowdsourcing.

As population growth accelerates, researchers and professionals face challenges as they attempt to plan for the future. E-planning is a significant component in addressing the key concerns as the world population moves towards urban environments. E-Planning and Collaboration: Concepts, Methodologies, Tools, and Applications contains a compendium of the latest academic material on the emerging interdisciplinary areas of e-planning and collaboration. Including innovative studies on data management, urban development, and crowdsourcing, this multi-volume book is an ideal source for planners, policymakers, researchers, and graduate students interested in how recent technological advancements are enhancing the traditional practices in e-planning.

Diversity among university students plays a significant role in raising awareness of numerous issues surrounding cultural heritage, language differences, cross-cultural collaboration, and international education. The integration of technological tools can assist students in cooperating nationally and internationally both in their current educational and future professional settings. Multicultural Awareness and Technology in Higher Education: Global Perspectives encompasses the latest research on the impact and integration of technology into international education and culturally diverse learning environments. Providing the latest teaching and learning methods, technologies, and approaches at the university level, this publication is a useful reference for academics, educational administrators in public and private institutions, and information society researchers.

"This book gives a general coverage of learning management systems followed by a comparative analysis of the particular LMS products, review of technologies supporting different aspect of educational process, and, the best practices and methodologies for LMS-supported course delivery"--Provided by publisher.

The Handbook of Technology and Second Language Teaching and Learning presents a comprehensive exploration of the impact of technology on the field of second language learning. The rapidly evolving language-technology interface has propelled dramatic changes in, and increased opportunities for, second language teaching and learning. Its influence has been felt no less keenly in the approaches and methods of assessing learners' language and researching language teaching and learning. Contributions from a team of international scholars make up the Handbook consisting of four parts: language teaching and learning through technology; the technology-pedagogy interface; technology for L2 assessment; and research and development of technology for language learning. It considers how technology assists in all areas of language development, the emergence of pedagogy at the intersection of language and technology, technology in language assessment, and major research issues in research and development of technologies for

language learning. It covers all aspects of language including grammar, vocabulary, reading, writing, listening, speaking, pragmatics, and intercultural learning, as well as new pedagogical and assessment approaches, and new ways of conceiving and conducting research and development. The Handbook of Technology and Second Language Teaching and Learning demonstrates the extensive, multifaceted implications of technology for language teachers, learners, materials-developers, and researchers.

Guiding you from first principles to advanced techniques, this book uses IBM SPSS Statistics examples specific to your Politics and International Relations studies to equip you with the tools to understand key concepts in quantitative research, and use them to produce and interpret data. The book takes you through the entire research process, from choosing a research question through to writing up your findings. Key features include: Software-specific sections in each chapter to show you how to use SPSS, while mathematical equations are kept to a minimum Packed with real life examples Extensive learning features including: chapter objectives, boxed summaries, illustrations, exercises and end-of-chapter questions, suggestions of further reading and a glossary Accompanied by a collection of online resources including datasets, exercises, multiple choice questions, podcasts, videos and further reading and weblinks. This is an invaluable research companion for students of Politics and International Relations using IBM SPSS Statistics.

In recent decades, significant advances in new methodologies like DNA sequencing and high-throughput sequencing have been used to identify microorganisms and monitor their interactions with different environments. Microbial genomics techniques are opening new approaches to microbiology by revealing how microorganisms affect human beings and the environment. This book covers four major areas: 1) Environmental microbial genomics, 2) Microbial genomics in human health, 3) Microbial genomics in crop improvement and plant health protection, and 4) Genome analysis of microbial pathogens. Within these areas, the topics addressed include: microbial genome diversity, evolution, and microbial genome sequencing; bioinformatics and microarray-based genomic technologies; functional genomics of bioremediation of soil and water from organic and inorganic pollutants and carbon management; functional genomics of microbial pathogens and relevant microorganisms; functional genomics of model microorganisms; and applied functional genomics. Given its scope, the book offers a comprehensive source of information on the latest applications of microorganisms and microbial genomics to enhance the sustainability of agriculture and the environment.

With the resources provided by communication technologies, E-learning has been employed in multiple universities, as well as in wide range of training centers and schools. This book presents a structured collection of chapters, dealing with the subject and stressing the importance of E-learning. It shows the evolution of E-learning, with discussion about tools, methodologies, improvements and new possibilities for long-distance learning. The book is divided into three sections and their respective chapters refer to three macro areas. The first section of the book covers methodologies and tools applied for E-learning, considering collaborative methodologies and specific environments. The second section is about E-learning assessment, highlighting studies about E-learning features and evaluations for different methodologies. The last section deals with the new developments in E-learning, emphasizing subjects like knowledge building in virtual environments, new proposals for architectures in tutoring systems, and case studies.

This book constitutes the proceedings of the Third International Congress on Tools for Teaching Logic, TICTTL 2011, held in Salamanca, Spain, in June 2011. The 30 papers presented were carefully reviewed and selected from 62 submissions. The congress focusses on a variety of topics including: logic teaching software, teaching formal methods, logic in the humanities, dissemination of logic courseware and logic textbooks, methods for teaching logic at different levels of instruction, presentation of postgraduate programs in logic, e-learning, logic games, teaching argumentation theory and informal logic, and pedagogy of logic.

The rapid growth in online and virtual learning opportunities has created culturally diverse classes and corporate training sessions. Instruction for these learning opportunities must adjust to meet participant needs. Online Course Management: Concepts, Methodologies, Tools, and Applications is a comprehensive reference source for the latest scholarly material on the trends, techniques, and management of online and distance-learning environments and examines the benefits and challenges of these developments. Highlighting a range of pertinent topics, such as blended learning, social presence, and educational online games, this multi-volume book is ideally designed for administrators, developers, instructors, staff, technical support, and students actively involved in teaching in online learning environments.

With the technological advancement of mobile devices, social networking, and electronic services, Web technologies continues to play an ever-growing part of the global way of life, incorporated into cultural, economical, and organizational levels. Web Technologies: Concepts, Methodologies, Tools, and Applications (4 Volume) provides a comprehensive depiction of current and future trends in support of the evolution of Web information systems, Web applications, and the Internet. Through coverage of the latest models, concepts, and architectures, this multiple-volume reference supplies audiences with an authoritative source of information and direction for the further development of the Internet and Web-based phenomena.

This book is a collection of the best research papers presented at the First World Conference on Internet of Things: Applications & Future (ITAF 2019), Sponsored by GR Foundation and French University in Egypt, held at Triumph Luxury Hotel, Cairo, Egypt, on 14–15 October 2019. It includes innovative works from leading researchers, innovators, business executives, and industry professionals that cover the latest advances in and applications for commercial and industrial end users across sectors within the emerging Internet of Things ecosystem. It addresses both current and emerging topics related to the Internet of Things such as big data research, new services and analytics, Internet of Things (IoT) fundamentals, electronic computation and analysis, big data for multi-discipline services, security, privacy and trust, IoT technologies, and open and cloud technologies.

As technology is being integrated into educational processes, teachers are searching for new ways to enhance student

motivation and learning. Through shared experiences and the results of empirical research, educators can ease social networking sites into instructional usage. The Social Classroom: Integrating Social Network Use in Education collates different viewpoints on how social networking sites can be integrated in education. Highlighting both formal and informal uses of social interaction tools as learning tools, this book will be very useful to all educators, trainers and academic researchers in all aspects of education looking for a theoretical/practical approach to resourceful teaching.

The remediation of environmental pollutants has become a relevant topic within the field of waste management. Advances in biological approaches are a potential tool for contamination and pollution control. The Handbook of Research on Microbial Tools for Environmental Waste Management is a critical scholarly resource that explores the advanced biological approaches that are used as remediation for pollution cleanup processes. Featuring coverage on a broad range of topics such as biodegradation, microbial dehalogenation, and pollution controlling treatments, this book is geared towards environmental scientists, biologists, policy makers, graduate students, and scholars seeking current research on environmental engineering and green technologies. Following the migration of workflows, data, and communication to the Cloud and other Internet-based frameworks, interaction over the Web has become ever more commonplace. As with any social situation, there are rules and consequences to actions within a virtual environment. Cyber Behavior: Concepts, Methodologies, Tools, and Applications explores the role of cyberspace in modern communication and interaction, including considerations of ethics, crime, security, and education. With chapters on a variety of topics and concerns inherent to a contemporary networked society, this multi-volume work will be of particular interest to students and academicians, as well as software developers, computer scientists, and specialists in the field of Information Technologies. Wikis are Web-based online software programs that allow any user to add, edit, or delete content on a Wiki web page. Because of their relative simplicity and their interactive nature, Wikis are potentially effective tools for online collaborative group work, a type of activity frequently used in online distance education. This study examined online Wiki collaboration compared to more conventional face-to-face group collaboration in higher education. The study participants were juniors and seniors taking a senior-level broadcast communications course. They were divided into two groups, and each group collaborated on writing reports using both conventional face-to-face collaboration methods and collaboration using the Wiki function in Moodle course management software. Following completion of the reports, professional subject matter experts rated the quality of the reports according to specified content and format criteria. The study's research questions addressed (1) benefits and obstacles experienced in face-to-face collaboration; (2) benefits and obstacles experienced in Wiki-based group collaboration; (3) whether there was a difference between Wiki group collaboration and face-to-face group collaboration in terms of the quality of the final product; and (4) whether there was a difference in students' experiences of learning and sense of community after Wiki-based collaboration and face-to-face collaboration assignments. Results indicated there was no difference in the quality of reports related to the method of collaboration, suggesting that Wikis are an effective collaboration method; face-to-face collaboration is more efficient in terms of communication among group members and is sometimes preferred because it is familiar. Wiki collaboration allowed students to work at their own pace and to easily see the work of other group members. Students adapted Wiki capabilities to their previous methods of group work, and there was not a significant difference in students' experiences of learning and community between the two methods. Even though the Wiki software provided the capability, participants did not edit one another's Wiki work unless they had volunteered and were designated by the group to be an editor. Unless they were an editor, individual participants did not feel it was appropriate to change their peers' work.

This book provides a broad treatment of current distance education trends and issues from an international vantage point. The book includes some twenty authored chapters that provide insight into specific implementations of distance education worldwide, as well as analyses of cross-national distance education themes. The book is designed to address the needs of a broad audience including practitioners, researchers, and graduate students, all of whom are impacted by the growing trend toward distance education in high school and university-levels.

Health Sciences & Professions

This book covers deep-learning-based approaches for sentiment analysis, a relatively new, but fast-growing research area, which has significantly changed in the past few years. The book presents a collection of state-of-the-art approaches, focusing on the best-performing, cutting-edge solutions for the most common and difficult challenges faced in sentiment analysis research. Providing detailed explanations of the methodologies, the book is a valuable resource for researchers as well as newcomers to the field. In the past two decades, the Internet has come to dominate every aspect of everyday life. This has been a huge change for many of us, and, for the younger generation - born into this situation - there has been no other way of living. How does this new way of life affect our health and happiness, our well-being? How does it affect our relationships, our friendships? Has the definition of friendship changed now that we have hundreds of friends on Facebook? Why is it that some people find it so hard to talk to people in their daily lives but find it so easy on the Internet? People spend so much time on the Internet - so what do we actually do on there? Why are some people so aggressive and others exceptionally helpful? Are these behaviors that we see from the same people offline? How do we take decisions online and which groups would we rather belong to online where nobody knows us, rather than revealing our true identity to the outside world? The new edition of 'The Social Net' provides a comprehensive understanding of the social aspects of the Internet. It contains chapters on topics such as identity manipulation, online romantic relationships, online decision making, the internet and aggression, and online prejudice and discrimination. The book provides the reader with an understanding of both the negative and positive influences of the net and is an exceptionally useful guide for how to use the net to improve wellbeing. Today, when there is so much negative publicity surrounding the Internet - despite our reliance on it - this book provides a much needed balanced understanding of the Net and its influence.

Regardless of the field or discipline, technology is rapidly advancing, and individuals are faced with the challenge of adapting to these new innovations. To remain up-to-date on the current practices, teachers and administrators alike must constantly stay informed of the latest advances in their fields. Teacher Training and Professional Development: Concepts, Methodologies, Tools, and Applications contains a compendium of the latest academic material on the methods, skills, and techniques that are essential to lifelong learning and professional advancement. Including innovative studies on teaching quality, pre-service teacher preparation, and faculty enrichment, this multi-volume book is an ideal source for academics, professionals, students, practitioners, and researchers.

This contributed volume explores the emerging intersection between big data analytics and genomics. Recent sequencing

technologies have enabled high-throughput sequencing data generation for genomics resulting in several international projects which have led to massive genomic data accumulation at an unprecedented pace. To reveal novel genomic insights from this data within a reasonable time frame, traditional data analysis methods may not be sufficient or scalable, forcing the need for big data analytics to be developed for genomics. The computational methods addressed in the book are intended to tackle crucial biological questions using big data, and are appropriate for either newcomers or veterans in the field. This volume offers thirteen peer-reviewed contributions, written by international leading experts from different regions, representing Argentina, Brazil, China, France, Germany, Hong Kong, India, Japan, Spain, and the USA. In particular, the book surveys three main areas: statistical analytics, computational analytics, and cancer genome analytics. Sample topics covered include: statistical methods for integrative analysis of genomic data, computation methods for protein function prediction, and perspectives on machine learning techniques in big data mining of cancer. Self-contained and suitable for graduate students, this book is also designed for bioinformaticians, computational biologists, and researchers in communities ranging from genomics, big data, molecular genetics, data mining, biostatistics, biomedical science, cancer research, medical research, and biology to machine learning and computer science. Readers will find this volume to be an essential read for appreciating the role of big data in genomics, making this an invaluable resource for stimulating further research on the topic.

Topics include work-integrated learning (internships), student well-being, and students with disabilities. Also, it explores the impact on assessments and academic integrity and what analysis of online systems tells us. Preface

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The four volume set LNCS 9489, LNCS 9490, LNCS 9491, and LNCS 9492 constitutes the proceedings of the 22nd International Conference on Neural Information Processing, ICONIP 2015, held in Istanbul, Turkey, in November 2015. The 231 full papers presented were carefully reviewed and selected from 375 submissions. The 4 volumes represent topical sections containing articles on Learning Algorithms and Classification Systems; Artificial Intelligence and Neural Networks: Theory, Design, and Applications; Image and Signal Processing; and Intelligent Social Networks.

nd The 2 International Conference on Web-Based Learning (ICWL 2003) took place in Melbourne, Australia. ICWL 2003 followed the tradition of the successful ICWL 2002 held in Hong Kong and aimed at providing an in-depth study of the technical and pedago- cal issues, as well as incorporating management issues of Web-based learning. Additionally, there was a focus on issues of interest to the learner, o?ering the optimal Web based learning environment to achieve high academic results. - akin University organized this conference in conjunction with the Hong Kong

WebSociety,toprovideaforumwhichgatherededucators,researchers,techno- gists and implementers of Web-based learning from around the world to discuss, collaborate and advance all relevant issues pertaining to this area of research. The main focus of ICWL 2003 was on the most critical areas of Web-based learning, in particular, Web-based learning environments, virtual universities, pedagogical issues related to Web-based learning, multimedia-based e-learning, interactive e-learning systems, intelligence in on-line education, e-learning so- tions, CSCL, and authoring tools for e-learning. In total, the conference received 118 papers from researchers and practitioners from 13 countries. Each paper was reviewed by at least three internationally renowned referees. Papers were ri- rously examined and selected based on their originality, signi?cance, correctness, relevance, and clarity of presentation. Among the high-quality submissions, 50 papers were accepted and included in the proceedings. Later, the proceedings editors will recommend that some high-quality papers from the conference be published in a special issue of an international journal.

"This book contributes to this search for better teaching methods by exploring the technical, social, cultural, organizational, human, cognitive, and commercial impact of technology in education"--Provided by publisher.

This book investigates e-learning practices at American and Australian institutes of higher learning, their status quo, best-practice examples, and remaining issues. Utilizing a mixed-methods approach, it combines three studies – two using quantitative methods and a third using qualitative methods – in order to gauge the status quo of e-learning. The first study addresses the dominant cultural dimensions, revealing that the main explanation for the results may be the fact that most suppliers of the Australian university's e-learning system had an East Asian cultural background and predominantly traditional perspectives on learning. In Study 2, the findings indicate that the levels of e-learning practice at the Australian and US universities surveyed were above average, although the American university was ranked higher in terms of e-learning practices. In turn, Study 3 investigates current problems in e-learning practice on the basis of four aspects – pedagogy, culture, technology and e-practice – and determines that cultural sensitivity and effective cultural practices show room for improvement, while key technological challenges and issues like faculty polices, quality, LMS, and online support need to be overcome. In general, the outcomes suggest that it is essential for the Australian university surveyed to further develop and update its e-learning system, especially in terms of e-practice, using the same technologies that pioneering countries like America are employing. Indeed, the combination of adopting patterns successfully used in other countries, and adjusting them to the Australian culture, represents the best strategy for educational decision and policy makers. This book provides the basis for designing a culture-sensitive framework for higher education e-learning practice in American and Australian contexts. Moreover, students' and teachers' experiences with e-learning in a comparative higher education context can help higher education instructors and university managers to understand how e-learning relates to, and can be integrated with, other experiences of learning and teaching.

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