Mar 8th, 12:00 AM

05. Information Operations Management

Southwestern Oklahoma State University

Business Administration.Information Operations Management.01

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Langston University

A Cognition Model of Story Driven Object Modeling

The quality of requirement specifications is crucial to the success of an information system development project. Numerous studies have shown that incorrect and missing information requirements will lead to serious problems in the later phases of an information system development. Requirement analysis is an error prone process, especially for novice information analysts. It is believed that weak cognitive ability of novice information analysts is the most important cause for low quality of requirement specifications. Studies have shown that human beings learn best from stories. Stories can provide more complete and detailed information requirements in a form appealing to human cognition and hence impose lighter cognitive load on novice information analysts. Storytelling has therefore been recommended as an effective tool in the communication process of requirement analysis. However, it is still unclear that how the stories can be transformed into structured requirement specifications such as object models from the perspective of a novice information analyst. By literature review on cognitive research, this study proposes a cognitive model of requirement analysis on the basis of storytelling to build a high-level object model as requirement specifications. Future research directions are also explored on how to use the cognitive model to improve the performance of novice information analysts in generating more complete and correct requirement specifications.

Business Administration.Information Operations Management.02

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University of Central Oklahoma

The Rise of Virtual Care in Employer Sponsored Health Care Benefits

As healthcare costs continue to rise, employers have been actively looking at alternative options to decrease these costs, such as shifting costs to employees through consumer-driven health plans, private exchanges, accountable care organizations, and more. Due to improvements in technology, one other option that most employers are now providing to their employees through their health care benefits plans is virtual care, also known as telehealth. Virtual care provides access to a health care provider remotely through the phone, video or online, and provides physician consultation and management of chronic conditions, and other conditions as well. Employers are attracted to virtual care because of its potential to reduce costs, increase worker productivity, provide easier access to physicians, and generate savings for both employers and employees. Studies show that all large employers will cover telehealth services for their employees by 2020. Hence, it is important to know the foundation and effectiveness of virtual care. This paper will explore the rising trend of virtual care as a health benefit by providing a review of various studies of the effectiveness of virtual care on improving population health and its impact on employer-sponsored health plans. The results of these studies mainly demonstrate that telehealth is an effective alternative to traditional visits, as it provides immediate access to care, which in turn, positively impact employee productivity and satisfacti

Business Administration.Information Operations Management.03

Nathan Tayero

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THE INFLUENCE OF PEER MENTORING ON FIRST-YEAR BUSINESS STUDENTS’ CHOICE OF MAJOR AND ACADEMIC SUCCESS

The purpose of this research is to determine the factors students will consider before they a) agree to peer mentoring and b) determine whether a peer mentor is a reliable guide to their choice of major and their academic success upon completion of their program. The proposed method used in this research is the survey method. Data will be gathered from first-year students in the College of Business at the University of Central Oklahoma. The survey seeks to obtain data about student perception, willingness, and considerations to agree to peer mentoring. The questionnaire seeks to test each individual’s opinion about the value of peer mentoring. Therefore, multiple regression analysis will be used to examine these outcomes. The research hypothesis is that freshmen perception and willingness to be mentored by senior peers will be a significant predictor of their choice of major and academic success.

Business Administration.Information Operations Management.04

Patricia Blevins, Veronica Cowan, Brittany Savage

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Distraction or Not? The Study of Cellphone Use in the College Learning Environment

Cellphone usage by college students has increased tremendously over the past decade as technologies have advanced. Most college students have a cellphone within their reach in their classes. Typically, there is a perception of faculty members frowning at any type of cellphone use in the learning environment. But could these devices really be beneficial to the learning environment? Or are these devices just a distraction as historically been presumed? This study attempts to discover how cellphone usage is perceived in a college environment and whether usage should be encouraged in the classroom. A survey of college students comprised of different classes, genders and ages were asked about personal cellphone usage, distractions in the classroom and faculty cellphone guidelines within the classroom. This study tests the expected theory students do not consider cellphones a distraction in the classroom. The study also assumes most faculty members do not encourage cellphone use of any type within their classrooms. It attempts to discover how students are using their devices within the classroom in a beneficial way to their learning experience. Can their cellphones be integrated within a classroom environment as a valuable tool for learning or will these devices always be considered a distraction?

Business Administration.Information Operations Management.05

Patrick Pellegrino

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Amazon Web Services: A Benefits Analysis of a Cloud-Based Computing Service

The arrival of cloud-based computing services, such as Amazon Web Services (AWS) is changing how organizations implement systems and services. Organizations now have an option to reduce IT costs with third-party cloud services for off-premise storage and computing. Every business, large or small, can use cloud services to fit their unique requirements ranging from basic off-premise disaster recovery services to fully outsourced mission-critical systems as a software as a service (SaaS) architecture. Other potential benefits include fewer specialized IT personnel such as system administrators, server and storage technicians; and fewer, less complex contracts. Properly employed, AWS and other cloud service providers can reduce the cost of software, hardware, facilities, and support compared to traditional in-house data center operations.