POSTERS

Business Intelligence Tool for the Management Improvement

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Abstract: With our contribution to the conference we want to describe how we have gone from an expensive and complicated method for operational planning into a simple and budget-friendly model. We were drawn into the trend to utilize a business intelligence tool to handle the tasks of producing an overview, documentation and reporting.

In our poster we want to present our naïve hopes and miserable failure. We wish to present why this attempt failed and the insights won. Furthermore we will describe how we went back to basics and created a structure based on existing ways of working. The aim is to benefit from what we have already done with a common template and a uniform approach. The purpose of the model is to provide support for improvement – shifting focus to that, rather than monitoring. It can be used in any context, both specific projects and ongoing operations.

We hope to evoke discussion concerning the balance between usefulness and the limiting and regulating nature of management tools.

The Digital Future of K-12 Education: The Role of the School Librarian

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Abstract: Schools are making the move to digital textbooks and other digital resources as the primary learning materials in the classroom (LEAD, n.d.), and there is a need for a school-based professional to foster digital literacy among teachers and students to support this move (Mardis & Everhart, 2013). Because school librarians often deliver on-site professional development for new technologies (Everhart, Mardis, & Johnston, 2010), they have the opportunity to help classroom teachers and students become innovative and literate users of digital resources. Central to the implementation of digital resources is teacher preparedness to use them.

Underpinning the digital literacy educators require to shift to digital resources is the information literacy they require not only to recognize when they have an information need, but also to be able to find that information and to evaluate it and use it effectively (ACRL, 2011). Due to their training both as educators and as information professionals, school librarians are well positioned to assist both students and teachers in acquiring information literacy skills. As such, it is important to understand how prepared school librarians perceive themselves to be to assist in the integration of digital learning resources. In Florida, this process has been mandated by Florida statute 1006.29(3): "beginning in the 2015-2016 academic year, all adopted instructional materials for students in kindergarten through grade 12 must be provided in an electronic or digital format" (The Florida Legislature, 2015). This statute reflects the ongoing move to digital curriculum in the United States (LEAD, n.d.).

The proposed poster illustrates mixed methods research which quantitatively assesses the technology leadership skills of Florida school librarians through an established

survey instrument, and qualitatively explores the factors that affect school librarians' ability to enact those skills through follow-up interviews.

References

Association of College and Research Libraries [ACRL], EBSS Instruction for Educators Committee 2006-2007−2010-2011. (2011). *Information literacy standards for teacher education.* Retrieved from http://www.ala.org/acrl/sites/ala.org.acrl/files/content/standards/ilstandards_te.pdf

Everhart, N., Mardis, M.A., & Johnston, M. (2011). National Board Certified school librarians' leadership in technology integration: Results of a national survey. *School Library Media Research*, 14. Retrieved from http://www.ala.org/aasl/aaslpubsandjournals/slmrb/

Florida Department of Education (2015). *Florida education certification statistics.* Retrieved from http://app4.fldoe.org/edcert/Certification_Statistics.aspx

Leading Education by Advancing Digital (LEAD) Commission. (n.d.) *Leaders discuss transition to digital textbooks*. Retrieved September 30, 2015, from http://www.leadcommission.org/news/leaders-discuss-transition-digital-textbooks

Mardis, M. A. and N. Everhart (2013). From paper to pixel: Digital textbooks and Florida schools. Educational Media and Technology Yearbook. M. Orey, S. A. Jones and R. M. Branch. New York, NY, Springer. 37: 93-118.

Explore General Public's Perceptions of Data Mining: A Pilot Study

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Abstract: With the development of information technologies, data and information increase rapidly, and they are shared much wider and faster than before. To explore the internal relationships and patterns of data, a new concept, data mining, was proposed by researchers. In recent years, since the applications of data mining grow, general public pay more and more attentions on this concept. As the biggest online encyclopedia, Wikipedia is built and viewed by millions of ordinary users (not researchers) every day. This feature distinguishes it from academic information sources, and makes it a popular information source that reflects general public's perceptions and focuses. The purpose of this study is to investigate general public's understandings and interests of data mining.

In this paper, 43 entries which relate to the data mining entry were collected from Wikipedia. The text of all the entries was extracted, and the term frequencies of each entry were counted. Then a 43 3492 Document-Term matrix was formed, and it was analyzed by hierarchical clustering and Principal Component Analysis (PCA). Three categories of the 43 entries were obtained by hierarchical clustering: "concepts of data mining", "methods of data mining" and "applications of data mining". The results of PCA show that the methods of data mining include five primary groups: "general data analysis methods", "predictive methods", "analytics", "machine learning methods" and "decision making methods". Meanwhile, the applications of data mining cover "security issues", "medicine and biology" and "other application domains". These findings reveal that general public put attentions on concepts, methods and applications of data mining. In addition, among the diverse applications of data mining, the applications related to security issues are most attractive to general public.

Harry Potter around the United Kingdom: Sites and Collections

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Abstract: This poster aims to highlight a few of the key sites and collections around the United Kingdom related to the Harry Potter books and movies, including two