Lecture description

The main problem in today's business world is the management and use of new forms of huge amounts of data. Big Data, Big Data Analytics as well as Data Science in general are very topical in terms of business value, human resources and skills management. Managers should know what resources are required to gain a competitive advantage with information derived from Big Data analytics. There is also a shortage of data science experts and it is important to focus on producing a workforce with the appropriate skills. These lectures will introduce many aspects of the Big Data era and the importance of data science, as well as some practical methods with examples. The main topics will be: the context, role and implications of Big data, various data types and methods for analyze them, how to exploite Big data, how to gain knowledge and skills related to various analytics methods.

ABOUT THE LECTURER

Sabrina Šuman, PhD, Senior Lecturer

Sabrina Šuman, PhD in Information science, Master of Science in mathematics and informatics, is a senior lecturer and the head of Informatics study programmes at Polytechnic of Rijeka, Croatia. She is a course leader on several courses on undergraduate and graduate

study programmes. Sabrina Šuman has presented at many international conferences and published original scientific papers in many international journals such as Electronics, Computational Intelligence, International Journal of Enterprise Information Systems, the Journal of Polytechnic of Rijeka, Engineering Review and others. She published a book Programming in C language and the other four officially reviewed workbooks and scripts for teaching classes. She has 8 years of experience as a member/associate on several EU projects. She was a mentor on more than 150 undergraduate and graduate theses. Has profiles on ResearchGate, Google Scholar and Orcid. Her research interests are in Deep learning and Data mining, Information systems development, Intelligent methods, Artificial intelligence, Machine Learning, Knowledge discovery, Natural language processing, Knowledge representation methods, Business analytics methods, Business process management tools and strategies and Programming languages.