CaRDS Seminar

Advanced Analytics implementations in the Financial World

Dr. Bjarne Berg, Professor
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In this session we explore how advanced analytics is implemented in financial services. We look at abnormality/fraud detection in financial audits using Artificial Intelligence (AI), enforcement of property tax collection using OCR of car license plates; classification of tax credits using AI and Machine Learning (ML); use of natural langue processing (NLP), and generation (NLG), in reading and interpreting thousands of pages of financial regulations and laws; the use of drones and image sensory to detect code violations; and how the financial service industry is adopting data science in their organizations. We also discuss some of the core data science methods used in these endeavors, the trade-off of each of them, and the accuracy of these data science methods.

Dr. Bjarne Berg was recently the US National Leader of Advanced Tax Analytics and Innovation (ATAI) at PricewaterhouseCoopers. He has also worked as the CIO at Comerit and worked at BankofAmerica, Bank of Hawaii, and Moodys Financial Services. He has over 25 year experience as project leader and director in implementing analytical systems for Fortune-100 companies in US, Europe and Asia. Currently, he is a computer science professor at Lenoir Rhyne University. He earned a Ph.D. from UNC-Charlotte; Business Analytics from Harvard University; and also have a variety of degrees from East Carolina University, Appalachian State University, University of Sarasota, and the Norwegian Military academy, in data sciences, computer science and finance.

Wednesday, February 26 at 3.15 pm

Brown Hall, Room 261

Everyone Welcome!

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