

Title:

Data Mining in Education: A Predictive Model for Student Success

Abstract:

We study the application of Data Science in Higher Education Administration. Important student variables that predict retention rate are investigated. Detailed predictive models for student success will be discussed.

Biography:

Dr. Jin Wang is a Professor of Operations Research and a Director of the Data Science Lab at Valdosta State University, USA. He received his Ph.D. degree from the School of Industrial Engineering at Purdue University in 1994. His research interests include Data Mining, Machine Learning, Big Data, Modeling and Optimization, Supply Chain, Portfolio Management, Computer Simulation, and Applied Statistics. He has more than 30 years collegiate teaching experience at Purdue University, Florida State University, Auburn University, and Valdosta State University. Dr. Wang has been active in professional research activities. He has authored or co-authored many research papers in the referred journals and conference proceedings. He was invited as a keynote speaker and the conference chair for several Data Science, Big Data, Management Science, and Education conferences. He is an editor-in-chief and department editor of the research journals. He has participated as a principal investigator or co-principal investigator in several research projects funded by federal or industrial agencies, including the National Science Foundation, General Motors, and the National Science Foundation of China. He was invited as a panel member at the National Science Foundation Workshop. Dr. Wang also served as a consultant for financial firms. His analytical mixture of normal method for simulating market data and the two-stage portfolio optimization algorithm have made a great impact in both academic field and finance industry.