DONALD K. WEDDING, PHD

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CONFERENCES AND PRESENTATIONS

Conferences

Organizer, *Inaugural Connecticut Data Mining Conference, Central Connecticut State University Institute of Technology and Business Development; April 27, 2012;* New Britain, CT.

Presentations

Wedding D.K.; Presentation: Monte Carlo K-Means Clustering, *SAS Global Forum 2018; April 8-11, 2018; Denver, CO*.

Wedding D.K..; Presentation: Multivariate Cluster Analysis, *Northwestern University School for Professional Studies Symposium on Distance Learning October 5-7, 2017;* Chicago, IL.

Wedding D.K..; Presentation: Overview of Machine Learning, *Northwestern University School for Professional Studies Symposium on Distance Learning October 20-22, 2016;* Chicago, IL.

Wedding D.K..; Presentation: Careers in Statistics and Data Science, *Ohio University Career Fair, February 16, 2016;* Athens, OH.

Wedding D.K..; Presentation: Customized Text Clustering Within Enterprise Miner 6.1, *SAS M2010 Data Mining Conference; October 25-26, 2010;* Las Vegas, NV.

Wedding D.K..; Presentation: Incorporating Fuzzy Cluster Memberships Within SAS Enterprise Miner
- *SAS M2009 Data Mining Conference; October 26-27, 2009;* Las Vegas, NV
- *Insurance and Financial SAS Users Group (IFSUG), March 5-6, 2012;* Cary, NC
- *Ohio SAS Users Group (OHSUG), May 14, 2012;* Twinsburg, OH

Vandenberg E.H., Wedding D.K., Francis L.; Presentation: Using Analytics to Boost Your Bottom Line in P&C Insurance, *SAS Global Forum 2008; March 16-19, 2008;* San Antonio, TX.

PUBLICATIONS

Technical Publications

Wedding D.K.; "Extending the Data Mining Software Packages SAS Enterprise Miner and SPSS Clementine to Handle Fuzzy Cluster Membership: Implementation with Examples", Master's Thesis; *Central Connecticut State University,* New Britain, CT; 2009.

Wedding D.K.; Review: Online Course: Text Mining by Statistics.com, http://www.statistics.com/; *Information Processing and Management, volume 42, issue 4,* pp. 1132-1135; July 2006.

Wedding D.K.; Book Review: "Discovering Knowledge in Data, an Introduction to Data Mining by Daniel T. Larose, ISBN: 0471666572"; *Information Processing and Management, volume 41, issue 5,* pp. 1307-1309; September 2005.

Wedding D.K. and Cios K.J.; "Certainty Factors Versus Parzen Windows as Reliability Measures in RBF Networks", *Neurocomputing, Volume 19, Issues 1-3: Special Issue on RBF Neural Networks,* pp. 151-165; 1998.

Cios K.J. and Wedding D.K.; "Radial Basis Functions and Their Reliability Measures - Parts I and II", Honorary Volume for Prof. D.D. Raftopoulos, Gdoutos E.E. (ed.), Democritus University of Thrace; Xanthi, Greece; pp. 410-439; (1998).

Cios K.J.; Wedding D.K.; Serpen G.; "RBF Networks with Fuzzy Covariance Matrices" International Conference on Neural Networks (ICNN) '96, Washington, D.C. June 3-6, 1996; Volume: Plenary, Panel, and Special Sessions, pp.187-192; 1996. (Invited Paper).

Wedding D.K. and Cios K.J.; "Time Series Forecasting by Combining RBF Networks, Certainty Factors, and the Box-Jenkins Model" *Neurocomputing, Volume 9, Issue 2: Special Issue on Financial Applications*, pp.149-168; August 1995.

Wedding D.K.; "Increased Accuracy of Radial Basis Function Neural Networks through the Implementation of Certainty Factors", Doctoral Dissertation; *University of Toledo,* Toledo, OH; 1995.

Wedding D.K. and Chick D.E.; "NADEP NORIS Uses Alsys Ada to Develop Low Cost Trainer" *Alsynews; Vol. 5 Number 3*; Fall 1991.

Wedding D.K., Cios K.J., and Goodenday, L.S.; "A Bayesian Approach for Dealing with Uncertainties in Detection of Coronary Artery Stenosis Using a Knowledge-Based System" *IEEE Engineering in Medicine and Biology Magazine*; December 1989.

COURSES TAUGHT

Northwestern University Graduate School

IDS 453	: Introduction to Techniques of Predictive Analytics
MSDS 401	: Applied Statistics with R
MSDS 410	: Predictive Modeling I
MSDS 411	: Generalized Linear Models
MSDS 422	: Practical Machine Learning with Python
MSDS 498	: Data Science Capstone

Trine University

IS 5213	: Data Science and Big Data
BAN 5013	: Analytics Software and Tools

University of the Cumberlands

BADM 582	: Business Analysis for Strategy and Organization

Liberty University

ENGR 105	: Introduction to Engineering
ENGR 270	: Technical Communications
ENGI 220	: Engineering Economy

University of Akron Graduate School

6500:305	Business Analytics
6600:491	Professional Marketing Workshop
6600:491	Enhancing EXCEL Skills Workshop

Our Lady of the Lakes University, San Antonio (OLLUSA)

BUSA 8330	: Data Science with Python
BUSA 8335	: Optimal Pricing and New Product Decisions
BUSA 8337	: Data Science and Machine Learning

Rasmussen College

QMB 3100	**: Foundations of Analytic Platforms and Software** (Cloud Computing)
QMB 4200	**: Advanced Analytic Platforms and Software** (SAS Programming)
QMB 4400	**: Data Analysis and Optimization** (Python Programming)
QMB 4500	**: Data Visualization Implementation and Communications** (Tableau)

Rasmussen College Bachelor Degree in Data Analytics

QMB 5000	**: Foundations of Data Science** (Python and R Programming)
QMB 5100	**: Data Science Languages** (Python and R Programming)
QMB 5300	**: Statistical Methods** (R Programming)
QMB 5400	**: Fundamental Classification Techniques** (Python Programming)
QMB 5500	**: Risk Assessment and Modeling** (SAS Programming)

Rasmussen College Master Degree in Data Analytics

American Public University System (APUS)

DATS 200	**: Functional Methods and Coding** (Various Tools)
DATS 201	**: Analytical Methods I** (Theory)
DATS 211	**: Introduction to Data Science** (R Programming)
DATS 301	**: Analytical Methods II** (R Programming)

MATH 120	**: Introduction to Statistics** (Analysis Using Excel)
MATH 302	**: Statistics** (Analysis Using Excel)
MATH 410	**: Design of Experiments** (Theory)
MATH 411	**: Advanced Data Science** (R Programming)
MATH 431	**: Linear Regression II** (Analysis Using Excel)
MATH 530	**: Applied Statistics** (Excel)

COURSES DESIGNED

Northwestern University Graduate School

IDS 453 : **Introduction to Techniques of Predictive Analytics**
Northwestern University MS IDS Degree (2016)

MSDS 411 : **Generalized Linear Models**
MSDS 498 : **Data Science Capstone**
Northwestern University MS Data Science Degree (2015)

Trine University

IS 5213 : **Data Science and Big Data**

University of Akron Graduate School

6600:491 **Marketing Segmentation Workshop**
6600:491 **Enhancing EXCEL Skills Workshop**

Rasmussen College

QMB 5100 : **Data Science Languages** (Python and R Programming)
QMB 5500 : **Risk Assessment and Modeling** (SAS Programming)
QMB 6000 : **Advanced Statistical Techniques** (Python, R, and SAS Programming)
QMB 6200 : **Text Mining** (Python NLTK)
QMB 6400 : **Data Visualization and Communication** (Tableau)
Rasmussen College Master Degree in Data Analytics

Our Lady of the Lakes University, San Antonio (OLLUSA)
BUSA 8330 : **Data Science with Python**
BUSA 8335 : **Optimal Pricing and New Product Decisions**
BUSA 8337 : **Data Science and Machine Learning**

SAS Institute

Best Practices in Cluster Analysis for Customer Relationship Management (CRM)
SAS Business Knowledge Series (BKS) Course