Department of Biostatistics
Monthly Seminar Series
Wednesday, January 23, 2019
11:00 a.m. – 12:00 p.m.
Erma Byrd Room 101

Speaker:
Jeff Cox
Principal Software Architect
Biomedical Informatics
WV Clinical and Translational Science Institute (WVCTSI)

Topic:
Predictive Analytics using Oracle Data Mining

Oracle Data Mining algorithms include:
Classification: Generalized Linear Models Logistic Regression, Naïve Bayes, Support Vector Machine, Decision Tree.
Regression: Generalized Linear Models Multiple Regression, Support Vector Machine
Attribute Importance: Minimum Description Length
Anomaly Detection: One-Class Support Vector Machine
Clustering: Enhanced K-Means, Orthogonal Partitioning Clustering, Expectation Maximization
Association: Apriori
Feature Selection and Extraction: Non-negative Matrix Factorization, Principal Component Analysis, Singular Vector Decomposition

A demonstration will be provided