CSCI 406 (Data Mining)
Fall 2017
Dr. Stephanie Schwartz
Tentative Course Schedule

August
8/28: Intro/Experimental Design
8/30: Data (Types, Quality, Cleaning, Web scraping)

September
9/1: Data
9/6: Lab
9/8: Data
9/11: Classification, Linear Regression
9/13: Lab
9/15: Classification, Linear/Logistic Regression
9/18: Classification, Decision Trees
9/20: Lab
9/22: Classification, Decision Trees
9/25: Classification, Evaluation
9/27: Lab
9/29: Classification, Evaluation

October
10/2: Classification, Naïve Bayes
10/4: Lab
10/6: Classification, Nearest Neighbor
10/9: Fall Break
10/11: Midterm
10/13: Classification, Support Vector Machines (SVMs)
10/16: Classification, Support Vector Machines (SVMs)
10/18: Lab
10/20: Classification, Ensemble
10/23: Classification, Ensemble
10/25: Classification, Imbalance
10/27: Lab
10/30: Classification, other methods (nearest neighbor, random forest, etc.)

November
11/1: Lab
11/3: Association Analysis, Rule Generation, FP-growth
11/5: Association Analysis, Rule Generation, FP-growth
11/8: Cluster Analysis
11/10: Cluster Analysis, K-Means
11/13: Cluster Analysis, Agglomerative Hierarchical
11/15: Lab
11/17: Cluster Analysis, Evaluation
11/20: Outlier Analysis
11/22: Thanksgiving
11/24: Thanksgiving
11/27: Outlier Analysis
11/29: Lab

December
12/1: Time Series, Graph, Spatial Data
12/4: Time Series, Graph, Spatial Data
12/6: Presentations
12/8: Presentations
12/11: Presentations

FINAL
Wednesday, Dec 13th 8:00am-10:00am