

MIS 502 Semester Project Grading Rubric (100 points): _____

1. **Data set Description (15 points)** including: nature and context of the data set (5), potential outcomes from data set analysis (5), and data quality/integrity/ethics issues (5).
2. **Data preparation/wrangling (25 points)** including: all steps and outcomes experienced (10), data profiling information (10), summarized outcomes compared to initially identified data preparation/wrangling outcomes (5).
3. **Data mining fundamentals (25 points)** including: appropriate data mining techniques on the data set (7), explained (7), and results documented (7) for each technique (e.g., cluster analysis, classification, regression, association, correlation, and dimensionality reduction as well as text mining.) Python code for each technique is included (4).
4. **Data visualization (25 points)** includes: appropriate data visualization techniques applied to the data set (7), explained (7) , and results documented (7) for each technique (e.g., column, bar, pie, box-plot, line, multi-line, and scatter). Python code for each technique is included (4).
5. **Presentation (10 points)** includes: ppt slides (1), data set description (1), data quality/integrity/ethics observations (1), data preparation/data wrangling outcomes (1), data mining outcomes (1), data visualization outcomes (1), overall summary (1), and constructive comments (3) on class members' projects.