

<Rev. 12/28/2022>

**ITEC 621 Predictive Analytics Project**

**Project Name:**

**Class Section:**

**Team Number:**

**Team Members:**

**Last updated:** <date last updated>  
**Deliverable Number:** <#>

1. **Business Question and Case**
   1. ***Business Question***
   2. ***Business Case***
2. **Analytics Question**
   1. ***Outcome Variable of Interest***
   2. ***Main Predictors***
3. **Data Set Description**
4. **Descriptive Analytics**
   1. ***Descriptive Statistics of Key Variables***
   2. ***Distribution or Key Variables***
   3. ***Correlation and Co-Variation Analysis***
   4. ***Data Pre-Processing and Transformations*** *(if needed only)*
5. **Modeling Methods and Model Specifications**
   1. ***Initial Model Specification***
   2. ***Initial OLS or Logit Model Results***
   3. ***Assumption Tests*** *(as needed)*
   4. ***Model Candidates and Rationale***
   5. ***Model Specification Candidates and Rationale***
   6. ***Cross-Validation Testing and Final Model Selection***
6. **Analysis of Results**
7. **Conclusions and Lessons Learned**
   1. ***Conclusions from the Analysis***
   2. ***Project Issues, Challenges and Lessons Learned***

**Appendices** (as needed)

1. **Data Information**
2. **Visuals, Graphs and Plots**
3. **Quantitative R Output**
4. **Other**
5. **References**