**FORMAT & REQUIRED DELIVERABLES FOR**

**COMPLETE REPORT**

*NOTE: The* ***format*** *of your paper (headers, sections, etc.)* ***is flexible***

To avoid confusion, keep in mind that:

*1-2 are the intro and data description*

*3-6 are Analysis Question 1*

*7-10 are Analysis Question 2*

*11-12 are the conclusion and appendix*

*\*\*\** ***All information*** *(broken down by alpha numeric sections and subsections)* ***below must be contained within the final report – for the report to be considered COMPLETE*** *\*\*\**

Below is a list of **required** **deliverables** in the complete report:

1. **Introduction**
2. **Data Description** 
   1. Where did the data come from?
   2. How big is it?
   3. How many observations?
   4. Where can we find out more?
   5. What are the specific variables that we need to know with respect to your analysis?
3. **Analysis Question 1:**
   1. Restatement of Problem
   2. Build and Fit the Model
   3. Checking Assumptions
      1. Residual Plots
      2. Influential point analysis (Cook’s D and Leverage)
      3. Make sure to address each assumption.
4. **Comparing Competing Models**
   1. Adj R2
   2. Internal CV Press

1. **Parameters**
   1. Estimates
   2. Interpretation
   3. Confidence Intervals
2. **Conclusion**
   1. A short summary of the analysis.

1. **Analysis Question 2**
   1. Restatement of Problem
2. **Model Selection**
   1. Type of Selection
      1. Stepwise
      2. Forward
      3. Backward
      4. Custom
3. **Checking Assumptions** 
   1. Residual Plots
   2. Influential point analysis (Cook’s D and Leverage)
   3. Make sure to address each assumption
4. **Comparing Competing Models**
   1. Adjusted R2
   2. Internal CV Press
   3. Kaggle Score
5. **Conclusion**
   1. A short summary of the analysis.
6. **Appendix**
   1. Well commented SAS Code for Analysis 1 and 2