Advanced Statistics: Group Project Guidelines Component

Design and Analysis:
- Understands the rationale for the study; describes the target population and techniques of data collection
- Uses Exploratory Data Analysis tools
- Analyzes the data: Generates appropriate hypotheses, Fits models, tests hypothesis
- Compares and contrasts different models and methods
- Verifies Model Assumptions: Understands limitations of different approaches
- Interprets results and generates key insights for decision making

Grading:

Oral Presentation: [15 points: 7 for the Group and 8 for individual performance]

Logically present the main components of the process and recommendations. Material is readable and the graphics highlight and support the main ideas. Every member of the team must present. Identify delegation of responsibilities.

Scores for this section will be awarded on the day of final presentation.

Written Communication: [10 Points for each Group]

Report (5-7 pages excluding graphs) must include the following sections: **Introduction, Methodology, Results, and Discussion/ Conclusion**. In the **Introduction**, describe the research questions and hypotheses and include a description of the data. In the **Methodology** section, explain the different types of analyses performed. The **Results** Section should contain a detailed report of findings (interpret the tables and graphs, p-values).
The **Discussion** section includes your summary and conclusions. Review any limitations to your analysis. Discuss variables that are not included in the study, alternate design/ data collection strategies.

Scores for this section will be awarded after the submission of report.

Teamwork: Peer and Self Evaluation [5 Points]

Assign a score (0, 0.5, 1) for each of the items below:

- Attends group meetings regularly and arrives on time.
- Contributes meaningfully to group discussions
- Completes group assignments on time
- Produces quality work
- Contributes significantly to the success of the project

Maximum possible score – 5, Minimum is 0.
Scores for this section will be awarded after the submission of report.