Instructions

- Work in teams of 2-3
- Each member must contribute to the final report.
- See Project Description handout for information on the specific task
- Groups will be asked to document the contributions of each member and complete partner evaluations. If someone is not doing his or her part, please let the instructor know asap. After April 7, these issues will be much harder to deal with. If there is a strong imbalance in work done within a group, then grades will be assigned in proportion to work completed.
- Due Dates
  - **March 24**: Email instructor (ajsage@iastate.edu) with preferences for partners. Instructor will assign groups after this date.
  - **April 7**: Draft of Part I due
  - **April 21**: Final project due

Grading Rubric:

Section	Criteria	Points Possible
Recommendation Letter	Summarizes important recommendations in non-technical terms. 1-page maximum.	10 points
Part I	Clear introduction of task	5 points
	Analysis and discussion of variables in dataset	10 points
	Choice of model	5 points
	Interpretation of parameters	5 points
	Appropriate plots and tests used to check model assumptions	5 points
Part II	Explanation of model development, accounting for issues such as nonlinearity, multicollinearity, non-normality, and non-constant variance (if applicable)	10 points
	Model achieves high R^2 with relatively few predictor variables, produces reasonable predictions, and does not overfit	10 points
	Interpretation of parameters	5 points
	Appropriate plots, tests and discussion of checks of model assumptions	5 points
	Predictions and intervals are correct based on model used	10 points
	Best Three Predictions Scores in Class	5,3,1 bonus
General	Paper flows from beginning to end and has proper structure, grammar, and spelling	10 points
	Graphs effectively illustrate important ideas and are clearly explained using captions, as well as in the text of the paper	5 points
	All parts of project are completed on time with summary of each person's contributions	5 points
Total		100 Points