

Peer-graded Assignment: Regression Models Course Project

Submit by Jan 27, 2:59 AM EST

Important Information

It is especially important to submit this assignment before the deadline, Jan 27, 2:59 AM EST, because it must be graded by others. If you submit late, there may not be enough classmates around to review your work. This makes it difficult - and in some cases, impossible - to produce a grade. Submit on time to avoid these risks.

 It looks like this is your first peer-graded assignment. [Learn more](#)

Instructions

My submission

You work for *Motor Trend*, a magazine about the automobile industry. Looking at a data set of a collection of cars, they are interested in exploring the relationship between a set of variables and miles per gallon (MPG) (outcome). They are particularly interested in the following two questions:

Discussions

- “Is an automatic or manual transmission better for MPG”
- "Quantify the MPG difference between automatic and manual transmissions"

Review criteria

less

Peer Grading

- The criteria that your classmates will use to evaluate and grade your work are shown below.
- Each criteria is binary: (1 point = criteria met acceptably; 0 points = criteria not met acceptably)

Criteria

1. Did the student interpret the coefficients correctly?
2. Did the student do some exploratory data analyses?
3. Did the student fit multiple models and detail their strategy for model selection?
4. Did the student answer the questions of interest or detail why the question(s) is (are) not answerable?
5. Did the student do a residual plot and some diagnostics?
6. Did the student quantify the uncertainty in their conclusions and/or perform an inference correctly?

7. Was the report brief (about 2 pages long) for the main body of the report and no longer than 5 with supporting appendix of figures?
8. Did the report include an executive summary?
9. Was the report done in Rmd (knitr)?