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## Assignment 5

**Due** Wednesday by 11:59pm    **Points** 2    **Submitting** a file upload

**Available** Feb 7 at 12am - Feb 15 at 11:59pm 9 days



## Assignment 5

[Shortcut to Module 5](#)

**Apply bootstrap resampling to the auto price data as follows:**

- Compare the difference of the bootstrap resampled mean of the log price of autos grouped by 1) aspiration and 2) fuel type. Use both numerical and graphical methods for your comparison. Are these means different within a 95% confidence interval? How do your conclusions compare to the results you obtained using the t-test last week?
- Compare the differences of the bootstrap resampled mean of the log price of the autos grouped by body style. You will need to do this pair wise; e.g. between each possible pairing of body styles. Use both numerical and graphical methods for your comparison. Which pairs of means are different within a 95% confidence interval? How do your conclusions compare to the results you obtained from the ANOVA and Tukey's HSD analysis you performed last week?

**You must submit:**

- One R-script containing all code required for your analysis. Please include comments so that your code is easy to follow.
- One document discussing and supporting your conclusions, presented in a complete and professional style.

**To submit your assignment:**

1. Use the "Submit Assignment" link located on the top right corner.
2. Click "Choose file" button to find and select your saved report.
3. Press the "Submit Assignment" button to turn in your assignment.