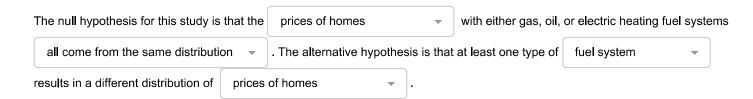
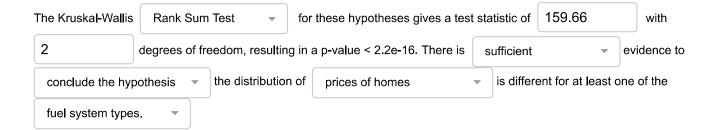
This question will help you review some of the material from this semester. To begin, run the following code in R.

- > library(mosaic)
- > ?SaratogaHouses
- > View(SaratogaHouses)
- > table(SaratogaHouses\$fuel)

Say a homeowner in Saratoga County, New York is curious about whether upgrading their home from an oil heating fuel system to either a gas or electric fuel system would increase the resale value of their home. Use the SaratogaHouses dataset in R and a Kruskal-Wallis Test to answer the question, "which heating system results in the hightest distribution of home resale values (price)?"

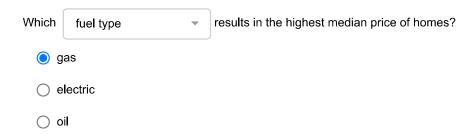


Perform a Kruskal-Wallis test for these hypotheses in R using the SaratogaHouses dataset.



Which of the following codes best depicts the results of the Kruskall-Wallis Test?

- > boxplot(price ~ fuel, data=SaratogaHouses)
- > stripchart(price ~ fuel, data=SaratogaHouses)
- > barchart(price ~ fuel, data=SaratogaHouses)
- None of these codes should be used because we failed to reject the null hypothesis.



We must continue to assume the median prices are the same for each group since we failed to reject the null hypothesis.

What is the highest median price?

206500

Hint: This value cannot be accurately determined from a plot.