Poster Title

Author, *Major department*

UNM Stat 145, Introduction to Statistics: Statistics for Research, Spring 2019, Prof Erik Erhardt

Introduction

- A few bullet points or short paragraph.
- What is the topic?
- What makes this topic important, and how common is this issue?
- Summarize key previous studies.

A short paragraph can also summarize what other studies have found on related research questions[1, 2]. Make sure to cite your sources and include the references [3].

Research questions

- List of clear and specific research questions.
- These are your hypotheses to test, or aims of the project.

Methods

Data sources

- Primary data sources used.
- Study design
- When, where, who.
- Sample size.
- Response rate.

Measures/Variables

- Dependent variable x and independent variables y and z for testing hypothesis or objective 1.
- Dependent variable a and independent variables b and c for testing hypothesis or objective 2.
- Indicate how variables were coded.

Methods

- Method 1 for testing Hypothesis 1.
- Method 2 for testing Hypothesis 2.

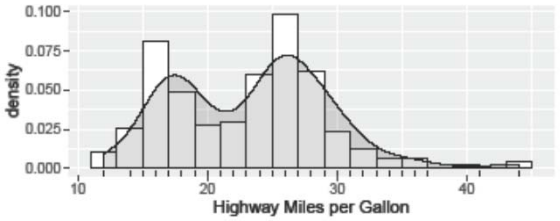
Results for Research Question 1

Highlight your key findings with figures and tables, providing brief interpretations.
Two-variable relationships will be more interesting than one-variable results.

Univariate

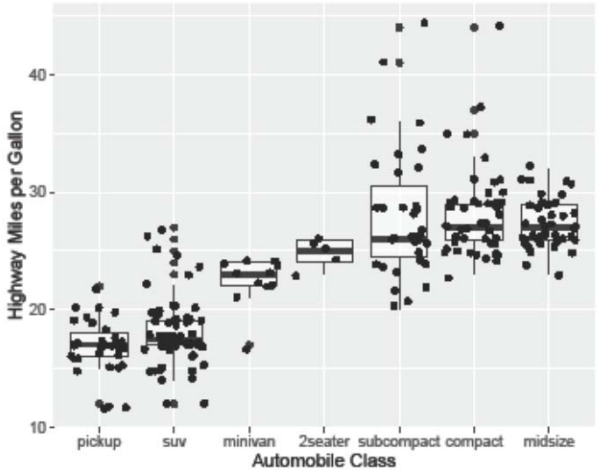
The highway miles are bimodal with peaks at roughly 18 and 27 miles per gallon, and the table below is the five-number summary with the mean.

```
   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  12.00   18.00   24.00   23.44   27.00   44.00
```



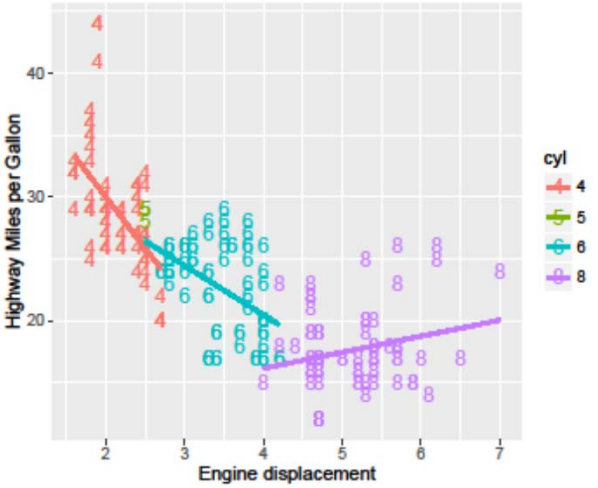
Two-variable relationships

The automobile class is ranked by median highway miles.



Results for Research Question 2

Multiple-variable relationships



The primary result is that the number of cylinders determines displacement .
Furthermore, there tends to be negative relationships between highway mpg and displacement.

Discussion

- Results in context of what others have done from introduction.
- Policy implications tailored to audience and likely applications.

Further directions

- What do these results lead you to want to investigate?

References

[1] R Core Team. R: A Language and Environment for Statistical Computing. R Foundation for Statistical Computing, Vienna, Austria, 2015.
[2] Hadley Wickham and Winston Chang. ggplot2: An Implementation of the Grammar of Graphics, 2015. R package version 1.0.1.
[3] Yihui Xie. knitr: A General-Purpose Package for Dynamic Report Generation in R, 2015. R package version 1.10.5.