

## Check In

What is one thing you have learned from this class?

# Week 9: Review

Lauren Lee

University of California, San Diego

*Discussion Section*

March 14th, 2018

# Formulas

On a blank sheet of paper, write down what you can remember about the following formulas, **without using your notes**:

- Mean
- Standard Deviation
- Margin of error for a mean
- Margin of error for a proportion
- Confidence interval for a mean
- Confidence interval for a proportion
- Standard error of a mean
- Standard error of a proportion
- Confidence interval for the difference in means
- Confidence interval for the difference in proportions
- Chi-Square statistic

# Activity

Using the handout, read each question carefully. Then write down:

- The **formula** you would use
- The **null hypothesis** where appropriate

Do not do the calculations.

# Activity

Pretend you finished the calculations and got the following numbers:

- ① Margin of error: 0.632
- ② Confidence interval: (0.13, 0.17) or (13%, 17%)
- ③ Confidence interval: (0.2, 0.32) or (20%, 32%)
- ④ Regression output:
  - Intercept: 12.8; Confidence Interval: (-13, 28.6)
  - Coefficient for spending: 0.03; Confidence Interval: (0.0285, 0.0315)
- ⑤ Margin of error: 0.002 (0.2%)
- ⑥ Confidence interval: (2775.47, 3224.53)
- ⑦ Confidence Interval: (5686, 5714)

In a sentence (or two), interpret the results of each calculation.

# Readings

Find a group of 3-5. You will be assigned one of the following readings:

- Wolfinger and Rosenstone
- Fowler
- Mutz
- Dreze and Sen

Your job is to answer the following questions and be prepared to explain your article to your classmates.

# Readings

You should be able to answer the following:

- What is the article about?
- What is the IV? What is the DV?
- What is their method? Why do they choose this method?  
What concerns do they raise?
- What are their main findings?
- Are there any important tables or graphs? How can you describe the findings?
- What is the authors' conclusion?

# Readings

- ① Form a new group. Your group must have at least one person from every article.
- ② Spend two minutes on each article
- ③ The person(s) who studied that article is(are) responsible for telling the rest of the group the most important points.