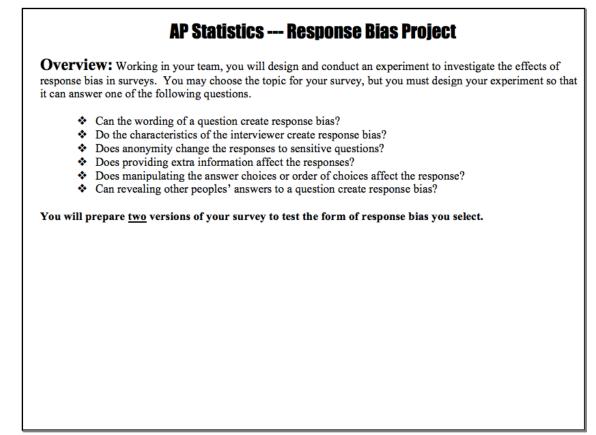
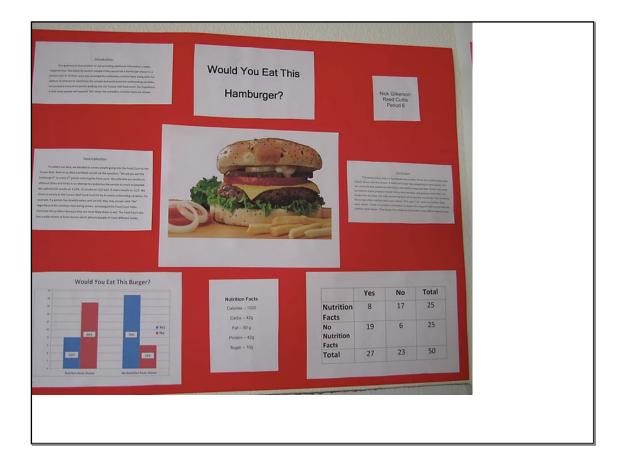
Turn-in your Unit 1-Personal Project Check - FRQ

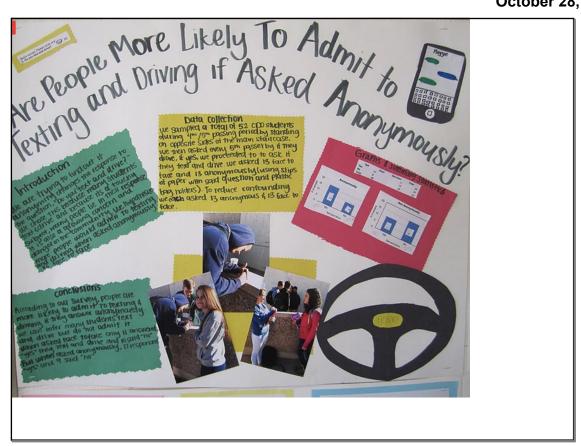
<u>Agenda</u>

1. Learn about the Response Bias Project.

2. Start Preparation for the Ch. 4 Test which is Wednesday.

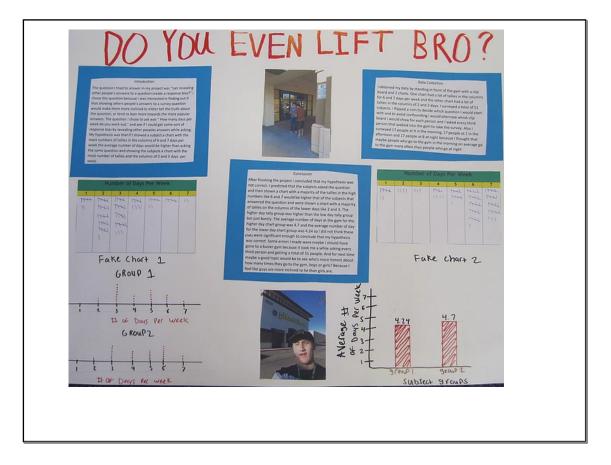




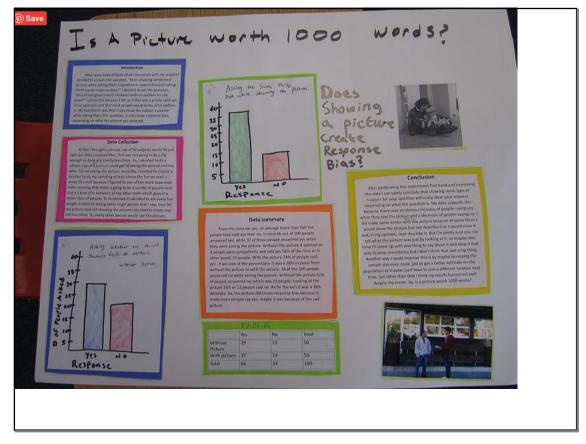


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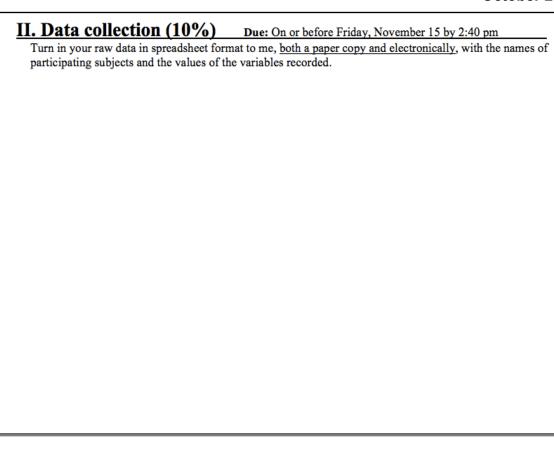
October 28, 2019



I. Proposal (20%) Due: Friday, November 1st, by 2:40 pm

Using the form attached, your group must submit a completed project proposal form that outlines your survey question and the details of your experimental design. NOTE: Do not start your project until your proposal has been approved!!

Don't ask other teachers for class lists. Many teachers will not want their classes interrupted. Therefore, think twice about doing a cluster sample that requires you to sample everyone in a cluster if your clusters are classrooms.



III. Poster (60%) Due: One day before your Presentiation

Your poster should include:

- Title (in the form of a question)
- Everyone's name should be on the front of the poster.
- At least one live-action pictures of your data collection in progress with at least one (willing) participant.

Your poster should include the following sections (clearly labeled).

- Introduction: What form of response bias were you investigating? Why did you select the topic you did for this project? What results did you expect?
- Study design: Describe how you conducted your experiment and why you chose the design that you did. <u>Note:</u> This section should be very similar to your proposal.
- Data analysis: Present the data using appropriate tables and graphs. Be sure to label the tables and graphs clearly. Give appropriate numerical summaries of the data.
- Conclusions: Are your results statistically significant? Include a graph of the simulation that addresses this issue. What conclusions can be drawn from your experiment? Be specific.
- Reflections: What problems did you encounter during your project and how did you resolve them? How might your research be extended?

The poster should completely summarize your project, yet be simple enough to be understood by a 9th grader who has no statistics experience. Your poster should be visually appealing.

IV. Presentation (10%) On or before Tuesday, Nov. 26th (Sign up ahead of time)

Your group will give a 5-minute poster presentation to Mr. Cedarlund, outside of class. Be sure to address all five sections of your written report: introduction, study design, data analysis, conclusions, and reflections. And make sure that all members of your group contribute roughly equally to the presentation. *No PowerPoints, etc.*

Data ethics: It is important to behave in an ethical manner when doing statistical research.

- · Be sure to maintain anonymity and confidentiality of all subjects' responses.
- Remember that people have a right to refuse participation in your research.
- Never alter or fabricate data!

Any violation of data ethics will result in a failing grade on the project!

Note: All work is due when stated above, even if someone in your group is absent. Late work will incur a substantial grade penalty (minimum of a one letter grade deduction).

Spend about 10 minutes discussing possible ideas.

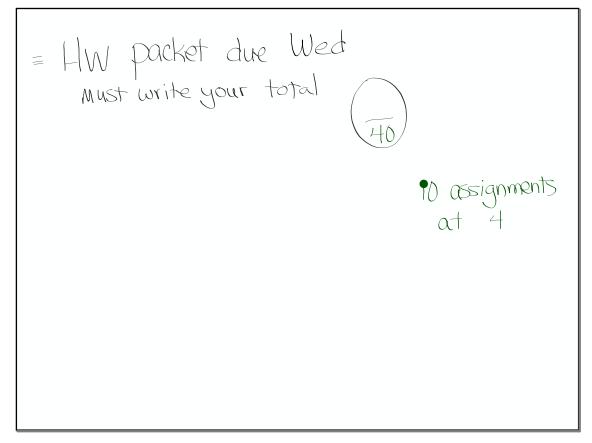
Preparation for the Ch. 4 Test

Can we trust the results to a study or an experiment we hear about ?

The answer depends On

how the data were produced.

If asked to describe a "Completely Randomized Design", do not incorporate a Random Black Design or Matched Pairs design unless prompted. It's ok to use a diagram as long as all of the information is included.



Review Assignment #1

(will be turned in with rest of Assignments)

Strive for 5:

f

- 1. p70.... do Concepts 1,2,3
- 2. p.76.... do Multiple Choice 1-10

and check all answers