

AP Statistics – Final Project Requirements

Content Requirements

Overview

You and your partner(s) will either complete an observational study or conduct an experiment. Examples will be provided so you can get an idea of what you would like to do. Once you have decided, you will spend the next several weeks completing your project. You must provide a detailed description of every aspect, from the beginnings of design to analysis and conclusion. Each part of your project must be typed up and neatly organized on your poster. *I should be able to tell what you did and how you did it just by looking at your finished product.*

Checklist

- _____ Description & goal of your study or experiment:
 - What question will you answer (title)?
 - How will you set up your design/how will you collect your data?
 - What tests will you use to test your hypotheses?
 - What conditions must be met & how will you meet them?

- _____ Explanation of what you did & how you collected your data:
 - explanation of type of sampling
 - surveys
 - treatments (factors, levels)
 - example of your survey

- _____ Table of your data/spreadsheet of your data

- _____ Graph(s) of your data (some examples might be: histograms, box-plots, scatter plots, pie charts, etc.)

- _____ TWO tests of inference performed (work & State, Plan, Do, Conclude must be shown)
 - confidence intervals
 - significance tests
 - chi square
 - regression

- _____ Conclusion and interpretation of each test

- _____ Explanation of possible errors & bias analysis

- _____ Neatly organized poster with all of the above information

- _____ Add something about probability (using your data) for extra credit

Technology Requirements

Overview

Once you have created your poster, you will be required to present your information. Instead of spending an entire class on individual presentations, you will be recording your presentations, uploading them to YouTube, and posting the video link via QR code on your poster. Additionally, you will include a link to a Google Form in your YouTube video so that your peers can give their feedback. Each student will be assigned 3 presentations of which they must provide feedback.

Checklist

- _____ Video presentation that includes all information on your poster (what would you say if you were presenting your poster to your peers in class?)
- _____ Video uploaded to YouTube and set to "public"
- _____ QR code for link to YouTube video
- _____ QR code printed and put on poster
- _____ Link to Google Form (provided by De Marre) in description of YouTube video
- _____ Three peer responses (peers will be chosen during Gallery Walk Day)
- _____ Bring smart device and earphones on Gallery Walk Day

