

AP Statistics Project Rubrics

Student name(s): _____

Project Topic: _____

_____ **3 pts.** **PROJECT CREATION AND APPROVAL**

- Question clearly stated
- Feasible
- Interesting

_____ **3 pts.** **DESIGN**

- Appropriate and correct
- Clearly explained
- Well executed

_____ **2 pts.** **WORK ETHIC**

- Stay on task during class time
- Project production demonstrates time spent outside of class

_____ **4 pts.** **QUALITY OF WORK**

- Appropriate graphs and/or tables and summary statistics
- Correct hypotheses, assumptions/conditions, statistical thinking, mechanics and interpretations (in context)
- Clear verbal descriptions
- Questions raised/lessons learned are reported

_____ **4 pts.** **PRESENTATION**

- Appropriate for project topic
- Clear and thorough communication of results using proper vocabulary
- Colorful, interesting, attention-grabbing, interest-holding
- Shows sound understanding of statistics!

Letter Grade Scale: 15-16: A 13-14: B 9-12: C 5-8: D 0-4: F

2010 AP Statistics End-of Year Project

Your general assignment is to collect and analyze data using good statistical design, thinking and analytic methods we have learned this year.

The topic choice is yours, but it needs to be feasible (able to be completed in two weeks). It also should be interesting and fun! You may work with one or two other students (not necessarily from the same class), but each student must show evidence of work completed.

Requirements:

1. Choose a good question: See the American Statistical Ass'n. Poster/Project Contest for ideas: <http://www.amstat.org/education/posterprojects/2009posters.cfm>
2. Design an appropriate survey, study or experiment.
3. Collect good data; they may come from a survey, observational study, experiment, or other sources such as publications or the internet (upon approval).
4. Summarize your data using appropriate graphical displays, summary statistics, and verbal descriptions.
5. Make sound inferences/conclusions based on your data.
6. State your conclusions clearly.
7. Present your research to the class using an appropriate medium (PPt, poster, etc.)
8. Submit a complete written report (use form provided)

You may be allowed to analyze previously collected data if you ask a good question. **Teacher approval is necessary.** Data must be shown to be extraordinary, and sufficient justification must be provided.

You MUST have teacher approval and consultation BEFORE beginning work on your project.

Class time will be given to work on your project with the exception of time for a guest speaker, which is yet to be confirmed. You are expected to be WORKING on your project EACH DAY in class.

Project Checklist and Report

(use additional sheets as needed to report completely)

Names: _____

Project Title: _____

Summary of project (one paragraph):

Design (describe):

Hypotheses:

Assumptions and conditions:

Mechanics:

Conclusion(s):

Describe the most important things your group learned through this project.