

# Project 1: Analyzing Data

## DUE DATES

- Due the meeting after Exam 1
- Monday/Wednesday Class: Due 9/29/2010                      Tuesday/Thursday Class: Due 9/30/2010

## GROUPS

- This is a group project. Group size is 3-4 people.
- If you do not turn in a group, one will be randomly assigned to you
- For collaborating, you might want to check out <http://docs.google.com/>.

## DATA

- Use our Math 140 Survey Data
- <http://www.canyons.edu/faculty/morrowa/140/datasets/>
- Start with the original dataset. If you choose to remove any observations, be specific as to which and why.
- Choose **one** of the following research questions
  - What are the drinking habits of math 140 students?
  - What is the political orientation of math 140 students?
  - What are the sleep habits of math 140 students?

## GRADING

- Grades will be assigned based on insight, accuracy, and analysis in answering the posed question
- Dig into the data and ascertain which variables have the strongest relationship with your selected variable
  - Pick a couple of variables that you think have the strongest relationship with your selected variable and explain in detail how they illustrate their strong relationship
  - Can someone use the variables you've found to predict a value for your selected variable? How?
- Include evidence to support your claims (graphs, reasoning, etc)
- Don't forget to introduce the data (the W'S)
- In your conclusion, critique the survey tool (the questionnaire you completed on Day 1). What do your results tell us about math 140 students?
- Your individual grade will be a scaled version of the group's grade based on your group's review of your performance.

## WRITE-UPS

- Maximum: 5 Pages
  - Why a maximum? You need to learn to be specific and concise.
- Include graphs/statistics directly with the text
- If you are not strong with writing, be sure to visit the English tutors in the TLC lab...
- Papers should include intro (and thesis statement), body, and conclusion

(KEEP TOP PORTION)

(TURN IN)

## Project 1 – Topic/Group Selection

Your name: \_\_\_\_\_

Class Day/Time: \_\_\_\_\_

Group Mate's Names': \_\_\_\_\_

AND/OR

Randomly assign a group

\_\_\_\_\_

\_\_\_\_\_

Selected/Preferred Topic: *(Choose one if you have a full group; Provide a ranking if you don't (1 = Most preferred))*

\_\_\_\_ALCOHOL

\_\_\_\_POLITICAL PARTY

\_\_\_\_SLEEP