FINAL PROJECT

MATH 12–STATISTICS

Selecting groups: You can choose to continue working in your group, form a new group, or work individually.

Pool of questions: At the end of every chapter in the textbook, there is a collection of questions called **Critical Thinking Challenges**. You final project involves questions pulled from these sections.

Communicate you plans to me: By **16 May**, provide to me in writing the following two pieces of information

(1) the group members you will be working with on this final project. You must do this *even if you are continuing to work with your group from the semester.*

(2) the Challenges that you've chosen (more on that below)

How to select questions: Figure 1 contains a table where I have assigned each Challenge a number of points according to its difficulty (points increase with difficulty). You must choose enough Challenges so your points add to *10 times the number of group member.*

For example, if you have a single group member, you need to complete 10 points worth of Challenge problems. If you have three group members, you must choose 30 points worth of Challenge problems.

Also, **you may not** select multiple Challenges from the same chapter until at least six different chapters are represented.

What to hand in?: Do the following for each Challenge. Imagine that you are a professor and must teach the Challenge answer to students who have never taken a statistics class before. Write a script of your lecture, including everything that you'd say out loud and everything that you'd write on the board. Clearly mark the parts that you say and the parts that go on the board. These can be hand-written or typed.

When is it due?: All of these Challenge Scripts are due **at the beginning** of the final exam period on **Thursday, 6 June at 11am-1:30pm**.

What else happens during the final period?: After every group turns in their scripts, I will select scripts from each team at random to read verbatim. I will say outloud exactly what the script tells me to and nothing else. I will write on the board exactly what the script tells me to and do it when the script tells me to. I will read the scripts from each team for ten to fifteen minutes. To fill that time, I may read multiple of a team's scripts or may not even finish a single script.

I do not say whose script I'm reading.

While I'm reading, students will help me to grade it by filling out a survey that I will provide. The survey will ask questions about clarity, helpful, confusing, etc. I will consider students notes when I grade the scripts.

Question	Points
1.1	3
1.2	4
1.3	2
1.4	4
2.1	4
2.2	2
3.1	3
3.2	3
3.3	3
4.1	6
4.2	4
4.3	7
4.4	5
5.1–3	10
5.4–5	7
6.1–8	12
7	15
8	15

FIGURE 1. Points per Challenge Question