

Instructions

- **The project will be distributed to the class (i.e., uploaded) after the midterm exam and it will be due on the day of the final exam which is December 16, 2013, 7:00 p.m.**
- **There will be a TA waiting to collect the reports in front of your exam room. Drop your report into the blue bag the TA will be holding.**
- The cover page of your report should include your (i) last name, (ii) first name, (iii) student number, and (iv) section number.
- You are required to **type** their answers for the project problems in a formal report format.
- **Submissions of the project by email WILL NOT BE ACCEPTED!**
- **Late submissions of the project after the final exam date WILL NOT BE ACCEPTED!**
- This project **MUST** be completed **INDIVIDUALLY**.

You are required to choose a technique that will allow you to answer the managerial questions that have been posed and then perform all the necessary analyses. You may need to filter the data at times, as all the provided data may not be relevant to your analysis. (Hint: Think of which statistical technique is ideal to answer the managerial questions and then follow the procedures you learned in class. Please note that for the purpose of this project there is only one correct answer and there are subtle clues embedded in the questions that will serve as a guide to the technique you are expected to use.) In all inferential statistics, use $\alpha = 0.05$.

The primary goal of this project is to gain experience in choosing correctly the statistical technique(s) to solve the problems stated. When trying to interpret your results, keep in mind that all statistical techniques operate under certain assumptions and that when they are violated, the results are not reliable.

In your answers you should perform all analyses relevant to the technique you have selected. You must also explain your method and your arguments clearly, assuming that your report is to be presented to a manager. Please include screenshots of your MegaStat dialogue boxes and printouts of your MegaStat outputs. This will allow us to trace your logic

and allocate marks fairly. I am assuming that you have already downloaded and installed MegaStat in your computer. If, for some reason, MegaStat does not work on your computer, you are allowed to use Excel's (or, another software's) statistical functions.

Failure to comply with these instructions may result in marks being deducted.

Please look at this project as an opportunity to apply the statistical concepts you learned in class to real life managerial problems in a safe environment. If you learn how to apply these concepts now, it will greatly benefit you in your upper-level courses irrespective of what major you choose to pursue. The world is getting more and more competitive and I hope that this will help give you a competitive edge over your colleagues.