

**Project #2**

**Specific requirements** For this project, follow the instruction in Lab 2.5 of the text.

For your report, consider yourself to be in the research and development department of a company and that you were given the task of analyzing the three options described in instructions for Lab 2.5 with the goal of making a recommendation as described in Part 4 of the instructions. Consider your audience to be managers who have technical background but who have not considered this problem and may be rusty on some mathematics.

This project is due on Monday, April 6.

**General expectations** You can work on the details of problems with others. In fact, I encourage you to do so. Get a group of two or three people together, find a blackboard or computing technology (as needed), and go to it.

Submit a carefully written report based on your results. All of your writing should be done independently even if you have worked on details with others. You should write using the style and tips given with the original project overview.

Since typesetting mathematics is difficult, you can write project reports neatly by hand. Another option is to use a word processor and then write mathematical expressions in by hand. You can also use an “equation editor” if one is available in your word processor but this can be time consuming so you need not do so.

When appropriate, you should include carefully drawn or printed figures and plots. Put thought into developing figures and plots that effectively convey information.