MATH E-3 Assignment 8   Excel: optional, for up to 4 points of extra credit

Submit your assignment to the dropbox as an Excel document, so we can see the formulas you used. Please pay close attention to details and answer the questions carefully, in order to get maximum points!

Spreadsheet for expenses

1. Using your own data, create a spreadsheet similar to the one I did in class, but incorporating expense data for a 4 month period. Use **five** categories of expenses. Make sure you format the data appropriately – especially have expense numbers formatted as currency.

2. Add totals at the bottom for each month, using the SUM function, as we did in class. Don't just type in the totals!!

3. Include cells below the totals to show the percent increase/decrease for each month's total, as shown in class. Round your percents to **2** decimal places.

4. Add a column to the right of the data, showing the average (= "mean") figure for each of the five expense categories – as done in class.

5. Create **four** pie charts, one for each of the four months. Make sure each pie chart has a title, and that the slices are labeled correctly. You can include % figures in the slices, but that is optional. Try and arrange the 4 pie charts so that they are side by side, or at least next to each other, so that you can see and compare them, so put them in chronological order.

6. Create a column chart, with the months on the horizontal axis, with a title at the top, and with a legend off to the right hand side.

Before you submit this assignment, look at it carefully to make sure all the details have been taken care of. Especially make sure that you have used **formulas** for questions 2, 3, and 4 – NOT typing in numerical answers!