

Minitab Assignment One

If you have your own copy of Minitab you may use it to do the Minitab assignments. However, it is not necessary to purchase Minitab as it is available in some of the computer labs on campus. In particular, it is available on the computers in Claxton 303, those in Claxton 300. If doing your assignments in the labs, be sure to save your data files on a floppy disk (or some other medium) and not on the hard drive of the computer.

1. Begin by typing your name in the session window.

Now save the work you have done so far in a project using **File => Save Project As**.

Name the project Project1. You will probably want to save your project every few minutes as you work. This project will eventually contain all the work you have done in steps 1-7.

2. Enter the title Energy Consumption in the light blue box directly below the box **C1**. Then enter the data in **Number 2.24** (Exercise 2.2) on page 52 of your current text into the first column of the worksheet. The data should fill the boxes of Column 1 in Rows 1 through 50.

3. Then save your worksheet on your floppy disk as Ex24P52. To do that, make sure that the worksheet window is the active window and use the menu options **File => Save Current Worksheet As ...** Then Minitab will open a window which will allow you to save the worksheet. Be sure to save the file by clicking on the down-arrow to the right of **Save in:** box near the top of the window (and then choosing the option for 3 1/2 Floppy A, if necessary). Enter Ex24P52 for the name of the file and click on **Save**. It should then save the worksheet.

4. Then create a histogram for this data as follows. Click on **Graph => Histogram**. Choose the option for Simple and click on OK. Then choose C1 for the Graph Variable and click on the little bar for Labels and enter "Energy Consumption" for the title and your name for a footnote. Then click on OK and you should get a histogram. **Print** the graph using the options **File => Print Graph**. Then after saving and printing the graph, you can close the graph by clicking on the little x in the upper right-hand corner.

5. Now close the worksheet. You will be asked whether you want to save the worksheet. Save it as Project1Worksheet1 and another worksheet should appear.

6. Enter the title Top TV Programs by Network in the light blue box directly below the box **C1**. Then enter the data in the column marked Network in the table for **Number 2.32** (Exercise 2.2) on page 53 of the text into the first column of the worksheet. The data should fill the boxes of Column 1 in Rows 1 through 20. Notice that the heading of the column has changed from **C1** to **C1-T**.

7. Then create a pie chart for this data as follows. Click on **Graph => Pie Chart**. Choose C1 for the Categorical Variable and click on the little bar for Labels and enter your name for a footnote. **Next click Slice Labels** and indicate that the pie slices should be labeled with category names and percents. Then click on OK and you should get a pie chart. Print the graph using the options **File => Print Graph**. Then after saving and printing the graph, you can close the graph by clicking on the little x in the upper right-hand corner. At this point print the session window. Choose **File => Print Session Window**.

8. Submit your session window and the two graphs by class time on Tuesday, June 23, 2009.