

## STA 205 GENERAL INTRODUCTION TO STATCRUNCH

StatCrunch is a computer statistical package that will be used in STA 205 to perform many of the analyses. StatCrunch may be used on any computer that has access to the internet. Using StatCrunch requires two essential elements: (1) Entering data into a spread-sheet, and (2) Requesting some analysis be done with the data values entered, usually the construction of a graph or some form of computation.

The purpose of this handout is to provide you information about how to access StatCrunch, and how to enter data in the spread sheet.

### A. Directions to get in and out of StatCrunch:

1. Once you are connected to the internet, use the following URL link: **<http://access.nku.edu/StatCrunch/>** to access StatCrunch. This link will provide access to a screen that will request a **Passcode**. At this point type in the **Passcode: heyu**. After a few seconds a spread-sheet will appear. Data to be analyzed will be entered into this spread-sheet.
2. When you are finished using StatCrunch, click on "X" in the very top right corner of the screen. This will disconnect you from the internet.

### B. Entering data into StatCrunch

Two primary methods are used to enter data into the StatCrunch spread-sheet.

#### 1. Entering data values for problems assigned in the text:

For most problems you will be assigned from the text, the data values have already been entered in a data file that is available on the internet. All you need to do is to "load" the data into the StatCrunch spread-sheet. For example, to obtain the data values for Chapter 2, Section 3, Exercise 1, and enter them in the spread-sheet use the following sequence of mouse clicks. Begin by clicking on the **Data** box at the top of the spread sheet. Follow this with

**Data** ► **Load data** ► **From WWW**

You will then need to type in the **WWW address**: **<http://www.nku.edu/~statistics/data/c02s03e01.xls>**

Finally **click on OK**, and the data for Chapter 2, Section 3, Exercise 1, will now be in the work-sheet. To obtain data for other exercises, simply change the last part of the WWW address to match the appropriate exercise. **Note: The entire WWW address is case sensitive. That means that all letters must be typed in lower case.**

#### 2. Entering data values directly into the spread-sheet:

You may enter data into the spread-sheet by typing it yourself. To enter data in the first column labeled var1, click on the cell containing var1, delete this name, and type in an appropriate name for your data. Press the "down arrow" key, enter the first data value in the cell for Row 1, continue pressing the "down arrow" key, and entering data values until all the data has been entered in the spread-sheet. If you need to correct a value, move the cursor to the incorrect cell and enter the correct value.

### C. Performing Computations and saving the analyses

For each analysis that we will perform in this course, an example will be given with careful instructions as to how to do that analysis. Further instructions will also be given as to how to save and print your results.