**STAT 101**

**SS#1**

**1.30.20 :: Due 2.4.20**

**Course Value: 10 points**

**SPSS: Obtaining statistical output & providing analysis**

**Finding the data file:**

Go to my web page > Stat 101: Intro > Data Files > open the file ***Environmental\_Sustainability\_sp2013.sav***.

**How to obtain Selected Tables and Charts:**

**Frequency Table:** Analyze > Descriptive Statistics > Frequency > move variable to right cell > Ok.

[NOTE: If you cannot find the variable name, such as E1, drag the left edge of the dialog box to the left, thereby expanding the cells. The variable name will be located at the end of the more descriptive label being presented in the dialog box and output on the table/chart.]

**Pie Chart:** Graphs > Legacy Dialog > Pie> Define (leave as is) > move variable to **Define Slices by** cell > OK.

**Bar Chart:** Graphs > Legacy Dialog > Bar> Define (leave as is) > move variable to **Category Axis** cell > OK

**Footnotes:** Double-click on a table > a dashed line around the table indicates that you are in an editor > on the Main Menu, select INSERT > from that menu select Footnote > enter footnote > click outside the table

**Editing Charts:** See SPSS reference Manual to add counts and percent values to bar charts and pie charts

**REFERENCE:** SPSS Manual available online

**Moving Tables and Charts into a Word Document:**

1. Open a Word document (insert “Word” into the Microsoft “type here to search” box).
2. In SPSS right click on the table/chart to copy. Select the COPY SPECIAL option. From the dialog box that opens check the “**Image**” option.
3. Move to the Word document and select **Paste**.
   1. Click on the table/chart. If perimeter circles appear, you will be able to re-size and move the table/chart. If a “+” looking sign is in the upper left of a table, you will not be able to move or re-size, so: 1) undo; 2) go to Paste Special in Word (follow the small downward pointing arrow under the clipboard) and select some form of picture (jpeg works).
   2. To reduce the size of the table/chart, click on it, move the cursor to one of the corners, and drag towards the center.
   3. To move the table/chart to any location, double click on it. From the top menu select the “Wrap Text” item and then “tight.” [also found on the Page Layout Menu > Wrap Text]

**General Instructions:**

1. All problems use the ***Environmental\_Sustainability\_sp2013.sav*** data file.
2. Open a Word document:
   1. On the first line place your name
   2. On the second line place: SS#1 and the date
3. Obtain the required SPSS frequency table and charts. All SPSS data files are located on the STAT 101 Data Files link. If you get stuck trying to obtain a table/chart, recall that there is a SPSS manual online.
4. Place the table & charts obtained from SPSS into the document (see above for how to do so).
5. **Grading:** Item values are contained within [ ] brackets**.**
6. **Writing a text paragraph:** An example of writing a paragraph is located on the blue sheet titled “Writing Descriptive Statements.”
7. **NOTE:** **You are limited to one sheet of paper (both sides), so reduce the table and chart sizes.**

**The Task:** Open the ***Environmental\_Sustainability\_sp2013.sav*** SPSS data file.

1. [3] Make a frequency table of the variable, **e1**, **which represents opinions of whether or not the earth is reaching the population limit it can support**. Place your name in the table by including a footnote and re-name the table, “Table 1: …..”. [Note1: How to as noted above] [Note2: when making a table or chart, if you cannot see the variable name, here **e1**, drag the left edge of the dialog box to make it larger.] Place this table into the Word document.
2. [3] Using SPSS, make a frequency bar chart of the variable **e1** and place it into the document. Edit the chart to include a title, “Figure 1: …” – [use the description below the chart as the balance of the title.]
3. [3] Using SPSS, make a frequency pie chart of the variable **e1** and place it into the document. Edit the chart to include a title, “Figure 2: …” – [title as with bar chart]
4. [1] Below the table and charts type a paragraph discussing the table. Include: 1) an introductory statement; 2) a minimum of two descriptive statements (refer to Writing Descriptive Statements handout); and 3) a concluding statement. When discussing the contents of a table/chart/graph remember to **use the statistics in your presentation** rather than just words such as “more” and “majority.”