**STAT 101**

**SS#2**

**2.6.20 :: Due 2.11.20**

**STATISTICAL SOFTWARE #2 [10 points]:**

* **THIS ASSIGNMENT IS DUE AT CLASS TIME TUESDAY.**
* **Problem point values and point credit distributions are included in brackets [ ]. General Grading: -.5 for first error; -1 to -2 for multiple errors; 0 minimal effort/not attempted/incorrect.**
* **Open a Word document and enter the following in the document’s first line:**
  + **Your Name SS#2 Problem Set #: \_\_\_\_\_\_\_**
    - **[Example: John Dough SS#2 Problem Set # 3]**
* **ASSIGNED PROBLEMS:** 
  + **PROBLEM SET #1: 8:30: Abrams - Cox; 10: Bentley - Dolan; 2:30: Ayala - Demcak**
  + **PROBLEM SET #2: 8:30: Diliberto – Ibrahim; 10: Forman - Lopez; 2:30: Dickinson - Pixley**
  + **PROBLEM SET #3: 8:30: James - Weissman; 10: Mazzella - Wyble; 2:30: Quezada - Vicino**

**NOTE:** Read the variable definition VERY CAREFULLY so that you know what it is that you are writing about.



**PROBLEM SET #1: CEREAL DATA**

**Assignment:**

1. [2] Open the ***Cereals.sav*** SPSS data file and make a frequency table of the variable MANUFACTURER, **which represents the companies that manufacture the cereals**. [NOTE: The frequencies represent the number of cereals made by a company.] Place a copy of this table in a Word document.
2. [2] Type a descriptive paragraph containing an introduction, two descriptive statements, and a concluding sentence.
3. Print the document.
4. [2] Pie Chart: On the printout, by hand, calculate the arcs associated with the variable MANUFACTURER and build a pie chart for this variable. Include value label, n and % in the pie slices.
5. [2] Pareto Chart: On the print out, by hand, build a Pareto Chart of the variable MANUFACTURER.
6. [2] Bar Chart: On the printout, by hand, build a bar chart of the variable MANUFACtURER. Include n & % in the bars.

**PROBLEM SET #2: NUTRITION BARS DATA**

**Assignment:**

1. [2] Open the ***NutritionBars.sav*** SPSS data file and make a frequency table of the variable CLASS, **which represents the various categorizations of different types of nutrition bars**. [NOTE: the frequency data represent the number of different bars assigned to each type or class.] Place a copy of this table in a Word document.
2. [2] Type a descriptive paragraph containing an introduction, two descriptive statements, and a concluding sentence.
3. Print the document.
4. [2] Pie Chart: On the printout, by hand, calculate the arcs associated with the variable CLASS and build a pie chart for this variable. Include value label, n and % in the pie slices.
5. [2] Pareto Chart: On the print out, by hand, build a Pareto Chart of the variable CLASS.
6. [2] Bar Chart: On the printout, by hand, build a bar chart of the variable CLASS. Include n & % in the bars.

**PROBLEM SET #3: LEISURE TIME**

**Assignment:**

1. [2] Open the ***Leisure\_F2005-SP2008.sav*** SPSS data file and make a frequency table of the variable LEISURE1, **which represents the opinion of students as to how productively they use their leisure time**. [NOTE: the frequency data represent the number of students selecting a response.] Place a copy of this table in a Word document.
2. [2] Type a descriptive paragraph containing an introduction, two descriptive statements, and a concluding sentence.
3. Print the document.
4. [2] Pie Chart: On the printout, by hand, calculate the arcs associated with the variable LEISURE1 and build a pie chart for this variable. Include value label, n and % in the pie slices.
5. [2] Pareto Chart: On the print out, by hand, build a Pareto Chart of the variable LEISURE1.
6. [2] Bar Chart: On the printout, by hand, build a bar chart of the variable LEISURE1. Include n & % in the bars.