EGR252 Fall 2019 Exercise 1 v2 Page 1 EXAMPLE Enter your full name here:

A) Go to the course web site. Use the correct data set (based on your last name) to build a histogram in Excel using the default bin settings. Put your full name in the title of the histogram. Be sure to use the Excel built-in Histogram function. Do not use bar graph.

B) Using the same data set, follow the guidelines from the Chapter 1 lecture to develop your own bin intervals. Build a second histogram in Excel. Put your full name in the title of the histogram. Reduce the gap to 0. Label the uppermost (More) column correctly.

C) Use Minitab to build a third histogram. Put your full name in the title of the histogram. Copy the Minitab. Use Paste Special/ Bitmap to paste graph in the Word file.



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D) Use either Excel or Minitab to determine the following values for your data set.

\_\_\_\_\_74\_\_\_\_\_ Number of items in the data set

\_\_\_476.18\_\_\_\_ Mean

\_\_\_\_476\_\_\_\_\_ Median

\_\_\_\_\_7\_\_\_\_\_\_ Interquartile Range (IQR)

\_\_\_\_\_19\_\_\_\_\_ Range

\_\_\_\_480\_\_\_\_\_ Mode

\_\_\_35237\_\_\_\_ Sum

\_\_\_\_4.34\_\_\_\_\_ Standard deviation

E) Consider the histogram you built in Part B.

\_\_\_\_\_\_9\_\_\_\_\_ How many intervals did you use for your customized Excel histogram?

\_\_\_\_\_2.5\_\_\_\_ What was the bin width?

\_\_\_\_462.5\_\_\_ What was the LOWER bound of your bins?

 F) Save your Word file as EGR252Exercise1\_*yourfirstandlastname* Example: EGR252Exercise1\_JoanBurtner. Print both pages of the Word file and bring them to class on October 8. I will collect the assignment in class on October 8.