

Instructions for Creating Word Documents for STA 205 Homework Exercises

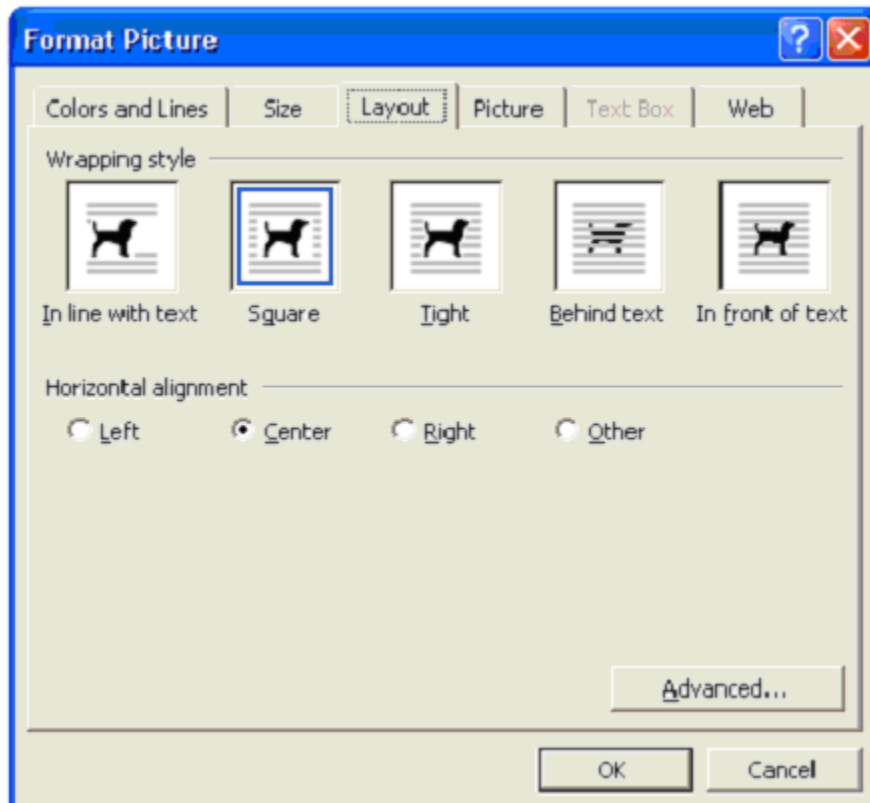
For any technique for which you utilize technology (StatCrunch), you should be able to clearly display your results and write interpretations or conclusions. The following format will be expected for any assignments collected.

First, after you open a word processor such as Word to create your document, begin with **your name, the course and section number, and the section of the textbook** for which you are completing this assignment. For example, the first line in your document may look like:

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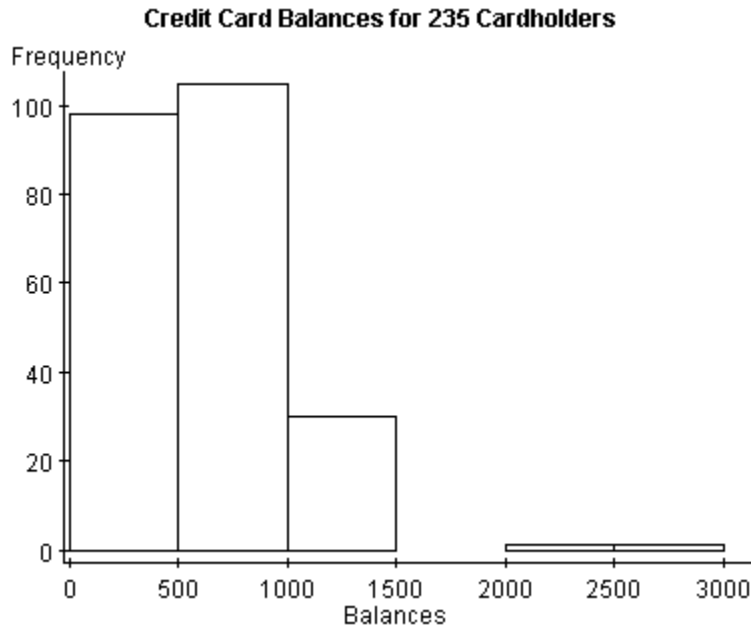
After completing your heading, you should label each exercise with the appropriate number and complete all calculations, displaying results clearly. Let's complete exercise # 7 from page 34 in your textbook. (You will be given a handout for instructions on creating the histogram.)

After creating the histogram in StatCrunch, click **Options** ► Copy in the Histogram window. Then in your Word document, place the cursor where you want to copy the graph and select Edit → Paste. You may format the picture differently if you prefer by placing the cursor over the histogram, right-clicking the mouse button, and selecting Format Picture. Then under the Layout tab, you may use Square for the Wrapping Style and Center for the Horizontal Alignment (see picture below). You may also change the size of the histogram using the Size tab. The next page has the resulting histogram, and a complete solution to Exercise 7.



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7. A.



B. The credit card balances for these 235 customers reveal the smallest balance is near \$0 while the largest balance is just below \$3,000. The most common balances are between \$0 and \$1000. The two balances which exceed \$2,000 may both be considered atypically high balances, or outliers. The shape of the histogram is skewed to the right.

C. From a sorted list of the data in the StatCrunch spread-sheet, it can be seen that there are exactly 32 credit card balances over \$1000. (From the histogram, one could estimate that about 30 people have balances between \$1,000 and \$1,500, plus the two balances over \$2,000. So there are approximately 32 people who will be offered the new credit card.)

This is the general process by which you should solve all of your homework problems that involve the use of StatCrunch.

1. Create a document beginning with your name, the course and section number, and the section of the textbook for which you are completing this assignment.
2. Perform any analyses that must be done with StatCrunch. These may be histograms, calculations, etc. Copy these analyses into the document you created. Complete the assignment by typing the answers to any remaining parts of the question that deal with interpretations or other questions.
3. Print your completed solutions to the exercises. You will probably want to save each document you create in a *Statistics Folder*.