In the graphing/charting assignment, students had to look up information regarding different statistics for each question. Each question had different statistics to investigate. For example, in question one, students were required to investigate exchange rates between the United States, New Zealand, and Australia. While the data we were required to investigate in question two dealt with Internet search engine results. In this exercise, we had to use a variety of software. We had to use Microsoft Word to create the memo, Microsoft Excel, to produce the different types of graphs, and the Internet to look up different sites and investigate data. In this exercise, I learned how to better use Excel to create effective graphs to display information. I learned that different types of data require the use of different types of graphs. I also improved my skills using Microsoft Word as well as my skills with proper source citation.

1. In Figure 1 above, according to the Exchange Rate graph, both the Australian Dollar and the New Zealand dollar are both worth more than the U.S. dollar from the period October 22, 2007 to October 22, 2008. The best time to travel to Australia would be on October 12, 2008, when
the exchange rate for the Australian dollar was it’s highest at $1.56 Australian dollars to $1 U.S. dollar. The best time to visit New Zealand would have been on October 13, 2008. On this day, every U.S. dollar was worth $1.68 New Zealand dollars. In this example, I used a line graph because the data shows trends in exchange rates of the U.S. dollar to both the New Zealand dollar and the Australian dollar. A line graph is nice to use because you can see the highest point on the graph as well as see how the trends have changed over time.


2.

![Graph showing nonpoint source pollution vs. "nonpoint source pollution".](image_url)

In Figure 2 above, according to the search results on different search engines, Yahoo retrieved the most search results for both the nonpoint source pollution topic, and the defined nonpoint source pollution topic. Google came in second, followed by Ask.com and finally Google Scholar. I chose to use a bar graph with a stacked column to show how the numbers look in comparison of the two different search results. This graph says to me that if you want to narrow your focus on your search, put it into parenthesis to narrow the number of search sites that come up.

According to figure 3 above, at 2:30 p.m. on Thursday October 23, 2008, the class population consisted of 7 males and 6 females. In this example, I chose to use a pie graph because the information is part-to-whole.

National FFA Chapters
According to figure 4 above, of the total number of National FFA chapters, there are only 122 chapters in Michigan. This comes to approximately 2%. There are 7119 chapters in the other 49 states across the country, which comes to 98%. I chose to use a pie graph to portray this information because the Michigan FFA programs are just a part of the whole National FFA program.

<http://www.agriscience.msu.edu/0000/0004/0004a/0004content.htm>.

5.

Nationwide FFA Members

According to figure 5, the above data shows that of the 449,814 members in the FFA Organization, 90% of them, or 404,833 members are at the high school level. That means that only 10% of them, or 44981 members are either in middle school or the post-secondary level. Again, I chose a pie graph because the information shown is part-to-whole information.

<http://www.agriscience.msu.edu/0000/0004/0004a/0004content.htm>.