This review sheet is intended to cover everything that could be on the exam; however, it is possible that I will have accidentally left something off. You are still responsible for everything in the chapters covered except anything that I explicitly say you are not responsible for. Therefore, if I left something off of this sheet, it can still be on the exam. There will be no multiple-choice questions. Most of the questions will be like the ones in the homework assignments, and possibly a few definition questions, but I am more likely to ask questions that make you use the definitions rather than recite them. **Make sure you fill out course evaluations.**

The time of the final has two options because our class overlaps two time slots. They are Monday 5/11 at 10:00 and Wednesday 5/13 at 8:00. Given what I have heard, it appears that the former is the preferred.
The review session will be at a time to be determined in class, probably Sunday 5/10.

I will provide the equations from the previous exams. I will also provide one equation I left off by accident: $t = (\overline{X}_1 - \overline{X}_2)/\mathrm{SQRT}(s_1^2/n_1 + s_2^2/n_2)$. When I write the final, I look to see what I did not ask about, and what were the major topics. I write questions about those topics. Obviously, the material since the last exam will be on it. I try to get the questions evenly distributed from both the tests proportionate to the amount of time we spent on that topic.

Chapter 10: In general, what are the advantages and disadvantages of **self administrated surveys, phone surveys,** and **in person surveys**? I won't ask you to list them, rather I could give you an advantage or disadvantage, ask you which type of survey that applies to and why that is an advantage or disadvantage. I could give you a description of a survey and ask which type you would do and why. Therefore, knowing the lists is helpful but not required. Understand why **web surveys** have more reach, can involve visual stimuli, increased perception of anonymity, and gives quick results, but can have technical problems, require skills and may be costly. Why is it important to have easy to read fonts, easy to understand instructions, personalized invitations which include information about the survey, and have follow up reminders? Why is it getting harder to do telephone interviews? What are the advantages and disadvantages of **CATI**?

Lab 12: Know the formulas for the **Laspeyres** and **Paasche** price indices. I could give you a table like in the lab and ask you what you would write for a certain entry. For example, "What would you type for the Laspeyres CPI in 2010 if the base year is 2008?" Or I could give you the table and what I typed in and ask you what I found. For example, "If I typed =sumproduct(F2:F9,I2:I9)/sumproduct(H2:H9,I2:I9)*100, then what did you find?" *(Note the $ in the formula are just for copying and pasting, therefore, are not part of the formula so I left them out.)*

Lab 13: This is just like Lab 11, except that you need to know how to do time. So, I could give you some data and ask what the time variable would be in the first cell. Other than that, I would just ask questions like Lab 11.
Non-graded Homework Assignment #8A.

1) (10 points) Course evaluations at Bethany College used to be in class, but are now online. What is the big **advantage** of that change? Explain your logic.

2) (10 points) Course evaluations at Bethany College used to be in class, but are now online. What is the big **disadvantage** of that change? Explain your logic.

3) (20 points) For Bethany College's course evaluations, there are several things they do which are good for self-administered surveys online. What are two things they do well and why is that desirable.

4) (20 points) Suppose you wanted to find out whether police chiefs think that body cameras are a good idea. Would you do a self administered survey, a telephone survey, or a personal survey? Explain your logic including how you would contact the people and why you chose that method.

5) (20 points) Suppose you wanted to find out whether customers at your store were not finding what they wanted. Would you do a self administered survey, a telephone survey, or a personal survey? Explain your logic including how you would contact the people and why you chose that method.

6) (20 points) Suppose you wanted to find out whether customers people would like clothing made out of a new pattern. Would you do a self administered survey, a telephone survey, or a personal survey? Explain your logic including how you would contact the people and why you chose that method.