

Homework 5

Comments for Chapter 22.

You do not need to use any datasets for the data in Chapter 22 on chi-squared test on two-way tables.

Just enter the summary data you are provided (the two-way table) into the worksheet and use **Stat > Tables > Chi-square Test (Table in Worksheet)**. The calculations for chi-squared tests are very tedious to do by hand. Do not waste time here. Do enough by hand to be sure you understand how to do that because you will be asked to do some of this by hand on a test. Do the rest of the calculations using Minitab.

Instructions for using Minitab to do a chi-squared test of independence when the table is provided are given in the Minitab Manual in Section 9.3 Analyzing Tables of Counts. (page 137-138 (print) or page 145-146 (Adobe Acrobat file)).

For problems in Chapter 22, be sure that you can do the entire four-step process, including the formulate part, where you write the hypotheses. While you should learn how to do all the computations by hand, probably you don't need to practice computations nearly as much as you need to practice the rest of the problem. Use Minitab to make the computations easier as you work through the homework.

Chapter 22

[22.1	22.3	22.5	22.7	22.9(M)	22.11]	22.18- 22.27	22.29	22.31	22.33
22.35	22.36	22.37	22.38	22.39	22.43	22.45			

In Chapter 23, I am not putting the (M) on any of these problems. Almost all problems require some computer work. In some cases, the relevant computer output is given in the problem. Be sure that you are able to use Minitab to produce the relevant output. For instance, 23.29 is a much easier problem for you if you use Minitab to produce the information yourself from the data in Table 4.1 instead of using the residuals given in this problem.

I am not assigning problems 23.46, 23.47, 23.48, and 23.49 because each of those goes beyond the scope of what is required in the course. However, these are very useful for anyone who wants to use regression to answer questions in the real world, just so that you can see what other kinds of questions you can easily answer besides those we have discussed so far. I encourage you to read these and ask questions about them.

