

Homework Notes Chapter 7

These notes do not include full answers. Students are expected to read the full answers in StatsPortal before looking at these notes. I am preparing these notes to provide more details about what you should be thinking about and learning from each of the exercises.

Chapter 7: Review **7.1, 7.5(M), 7.7(M), 7.9(M), 7.11(M), 7.13(M), 7.15(M), 7.17(M), 7.18(M), 7.23, 7.25**

Here, I am only including the exercises for which I have additional comments beyond what is in StatsPortal.

7.5 a. A more obvious answer than that in StatsPortal is that you could compute the correlation coefficient, which is very close to 1.0000.

7.25. To decide which percentages to compute, that is, which conditional distributions to compute, think about which is the response variable. Presumably first the schools do the job of working with the children and then the parents develop an opinion about how good a job they are doing. So the response variable is the opinions and how good a job is done. So, using the guideline we learned in Ch. 6, we must compute the conditional distribution of the type of job being done for each value of the explanatory variable, which are Black, Hispanic, and White. Look at the answers in StatsPortal to see that they did this.