MATH 145: Biostatistics

Assignment #9

- Read Chapter 7 of the Ellenberg book, up to the section called "The Insignificance of Significance." Then visit gradescope.com, log in with the credentials you used to access your graded Test 2, and submit answers to the questions you find there. These questions will stay open through 5 pm Monday, Apr. 27.
- Write up only those exercises that are underlined from the Lock 5 text. The other exercises are *suggested to look at* as practice with answers, or ones to read through to see other sorts of questions you would want to know how to answer. Your writeup should be typed and turned into a single .pdf file. Using R Markdown to produce such a document is the recommended approach, and can be used even if you want to include an image from a randomization performed in StatKey. Some resources:
 - a video on starting a new R Markdown document and including math symbols
 - a video on including a .png image in an R Markdown document
 - a portal for all things R Markdown.

Another alternative is to use Google Docs or Microsoft Word to combine images and text, then save it as a .pdf document. Writeups are due Fri., Apr. 24.

- 6.1: Look at exercises 6.1–6.5 odd, 6.15, and 6.17.
- 6.2: Look at exercise 6.54.
- 6.3: Look at exercise 6.71.
- 6.4: Look at exercises 6.73–6.83 odd, and 6.93–6.99 odd.
- 6.5: Look at exercises 6.105–6.109 odd, 6.123, <u>6.128</u>, and <u>6.134</u>.
- 6.6: Look at exercises 6.135–6.139 odd, 147ab, and 6.148.
- 6.7: Look at exercises 6.153–6.157 odd, and 167.
- 6.8: Look at exercises 6.171, 6.173, 6.181, <u>6.184</u>, and <u>6.188</u>. What would change in your answer to 6.188 if you were to construct a 98% CI?
- 6.9: Look at exercises 6.189–6.193 odd, and 6.204.
- 6.10: Look at exercises 6.211-6.225 odd.
- 6.11: Look at exercises 6.229–6.235 odd, 6.243, 6.244, and 6.245.
- 6.12: Look at exercises 6.251, 6.253, 6.256, and 6.260.
- 6.13: Look at exercises 6.271–6.283 odd, 6.278, 6.280, 6.282, 6.286, and 6.292.