

MATH 145: Biostatistics

Assignment #9

- Read Chapter 7 of the Ellenberg book, up to the section called "The Insignificance of Significance." Then visit [Socrative](#), select room SCOFIELD188, and submit answers to the questions you find there. These questions will stay open through 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, [6.128](#), and [6.134](#).

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, [6.184](#), and [6.188](#). 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](#).