

## Week 4: Histograms

This week, we're learning histograms. In my view, histograms are the most fundamental tool for understanding statistics. At their core, they emphasize the concept of **density**, which is critical for higher-level theoretical statistics. You can find "density" discussed on pp. 38-41 of FPP. You can think of "density" as "how crowded the data are within the bin."

**Histograms, Conceptually** Read ch. 3 of FPP and do the exercises.

**Histograms, in R** Review the chapter "Histograms" from the notes (currently ch. 4) and do the review exercises throughout. If you find the videos helpful, there's one where I work through the notes.

**Finishing Up** Make sure you have completed the entire assignment. Then complete the HW questionnaire, quiz, and letter on Canvas. These are due by Friday at 11:59pm. Please remind yourself of the standards of academic honesty as you complete the graded assignments.