Edps 590BAY
Fall 2019
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Homework 1
Due September 5, 2019

1. Up-date R (R-3.6.1) and Rstudio to the most recent releases.

    (a) What is the name for the current release of R (e.g., 5.6.1 is "Feather Spray"). This should be the 1st line in the R console window.

    (b) Install of your favorite packages. We'll install more as needed.

2. (From Gelman) Conditional Probability: Approximately 1/125 of all births are fraternal twins and 1/300 of births are identical twins. Elvis Presley had a twin brother (who died at birth). What is the probability that Elvis was an identical twin? (approximate the probability of a boy or girl = 1/2).

3. Mathematical Models of Probabilities: Kruschke page 31, exercise 2.1

4. How Data Shifts Probability: Kruschke, page 31-32, exercise 2.2.