Homework Solutions
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Exercise 16

(a) Use your TI-83. Enter the data into lists L_1, L_2, and L_3. Use `1-Var-Stats` to get Q_1, Q_3, and s.

Shelf 1: IQR $= 8$, $s = 4.48$.

Shelf 2: IQR $= 6$, $s = 4.13$.

Shelf 3: IQR $= 6.5$, $s = 3.84$.

(b) It's hard to say, but I probably prefer the standard deviation. It indicates less variability on Shelf 3 than on Shelf 2, while the IQR indicates more variability on Shelf 3 than on Shelf 2.