

Stat 185 - In class problems  
Wednesday, August 30

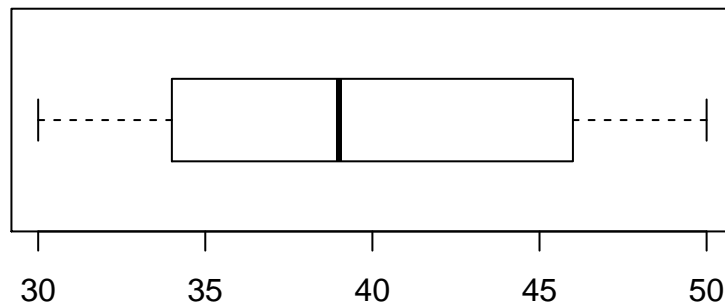


Figure 1: A boxplot

1. A box and whisker plot for a data set is shown in figure 1.
  - (a) Compute the corresponding five point summary
  - (b) Find the inter-quartile range
2. Given the data set  $\{7, 8, 10, 13, 6, 13, 13, 11, 10, 5, 6\}$ ,
  - (a) Compute the corresponding five point summary
  - (b) Find the inter-quartile range
  - (c) Draw the corresponding box-plot
3. Classify the histograms shown in figure 2 as symmetric, skewed, unimodal or bimodal. Which one is approximately normal?

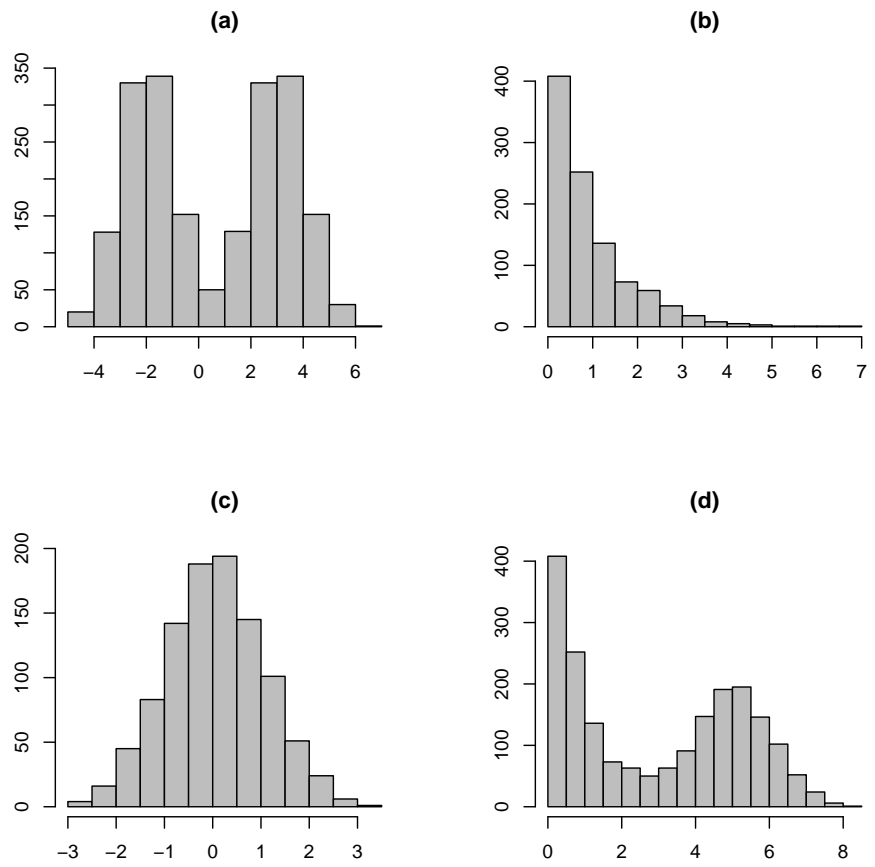


Figure 2: Several histograms