Module 3: Univariate displays

(The attached PDF file has better formatting.)

Homework assignment: stem and leaf display

A stem and leaf display for assault rates in the fifty U.S. states appears below. The assault rates range from 4.5% to 33.7%.

A. What is the median assault rate? There are 50 states, so average two points.

- B. What is the lower hinge (the 25th percentile)?
 C. What is the upper hinge (the 75th percentile)?
- D. What is the value of $(H_{U} Median) / (Median H_{L})$, where H_{U} is the upper hinge and H_1 is the lower hinge?

E. This ratio indicates the skewness of the distribution. Is this distribution positively skewed or negatively skewed?