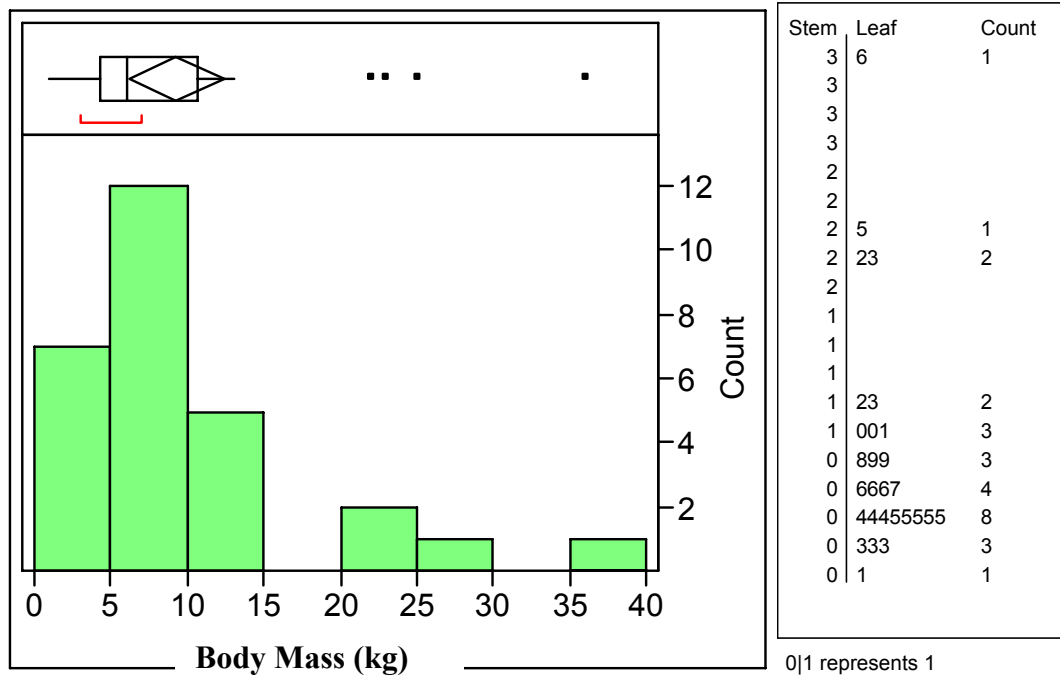


JMP Output for the Distribution of Body Mass of *Canidae*



Quantiles

100.0%	maximum
75.0%	quartile
50.0%	median
25.0%	quartile
0.0%	minimum

Moments

36.000	Mean	9.2857143
10.750	Std Dev	8.0224553
6.000	N	28
4.250		
1.000		

Note that JMP does the stem-and-leaf display slightly differently than what has been presented in class and in the text. It is a vertical display with larger numbers at the top. Also, JMP splits each stem into 5 pieces.

Note also that JMP calculates the 75% quartile (Q_3) and 25% quartile (Q_1) slightly differently.

The outlier box plot created by JMP has extra features. The center of the diamond is the value of the sample mean. The bracket under the box plot shows where the densest 50% of the data are.

Note how the shape of the box plot matches the shape of the histogram. Both indicate a distribution that is skewed toward larger values or a distribution that is fairly mounded and symmetric between 0 and 15 kilograms with 4 potential outliers.