

Let's perform all the steps for checking distribution for different diets.

1. High fat diet

1.1 Build a histogram and QQ plot of body weights for the "hf" diet. Put the plots in one row, two columns for a better view.

1.2 Perform three normality tests.

1.3 Transform the data, build two histograms in one row, two columns to compare (before and after transformation).

1.4 Build two QQ plots in one row, two columns to compare (before and after transformation).

1.5 Perform the normality tests again but on the transformed data.

What can you conclude?

2. Now repeat all the steps for the "chow" diet.

Check list

	"hf" diet	"chow" diet
Histogram		
QQ plot		
Shapiro-Wilk test		
Kolmogorov-Smirnov test		
Anderson-Darling test		
After transformation		
Histogram		
QQ plot		
Shapiro-Wilk test		
Kolmogorov-Smirnov test		
Anderson-Darling test		