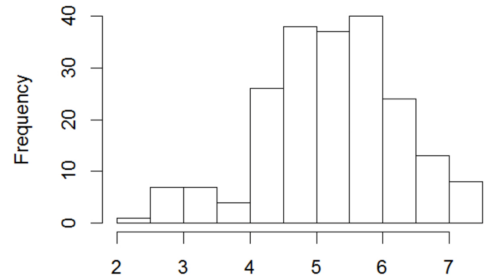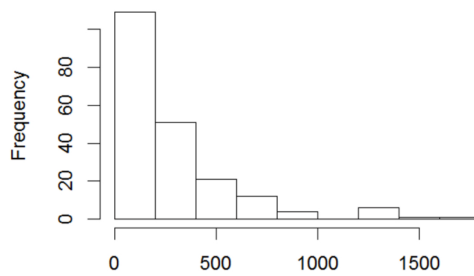My Programs ▸ ... ▸ Descriptive Statistics - Part II ▸ Quiz: Shape and Outliers (Final Quiz)

Quiz: Shape and Outliers (Final Quiz)

Histograms

Let the histogram on the left be **Histogram 1** and the histogram on the right be **Histogram 2**.

Quick Notes

Pay attention to the scale of these two graphs. The first is dealing with much higher numbers.

The median is the middle number and is not affected by outliers.

The average factors in all the numbers so outliers will bring the average towards them.

Left Skewed is when the graphs start with a low frequency and then slopes up. Right Skewed is when the graph starts with a high frequency and slopes down.

Quiz Question

Correctly match the histograms to the statements that are true about each.

Histogram 2	Both	Histogram 2	Histogram 1	Histogram 1	Histogram 2	Impossible to tell.	Histogram 2	Neither

Histogram 1	Neither

Statement	Histogram
Mean is greater than the median.	
Data has higher variance.	
Binwidth is equal to 0.5.	
The range is approximately 5.5.	
Distribution is left-skewed.	
The mean is approximately equal to the median.	

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