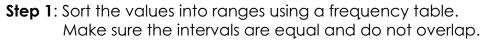
Name:

Histograms

Histograms use bars, called bins, to display the frequency of numerical values in a data set that have been organized into equal, non-overlapping intervals. Since the numerical values show a continuous range, the bins **do** touch.





Reading Hours Last Weekend	
2, 6, 8, 4, 5, 1, 13, 0, 3, 5, 8, 0	

Value	Tally	Frequency
0-4	#	6
5-9	##	5
10-14		1

Examples of Bad Bins

0-5, 6-10, 11-15

The first bin includes six values. The others include five values.

0-5, 5-10, 10-15

Bin values overlap, e.g., 5 and 10.

- **Step 2**: Set up your graph. Give a title, then make and label your axes. Intervals are almost always on the x-axis, and frequency is almost always on the y-axis. Don't forget to include a scale!
- **Step 3**: Graph each interval as a bar-shaped bin. Do **not** leave space between bins unless there are interval gaps in the data.

