Distribution of a quantitative	Tells us what values a variable takes and how often it takes them.
variable	Shows the pattern of variation of a (quantitative) variable.
Stem-and-leaf plot	A <mark>sideways histogram</mark> that shows the individual values. Bins/intervals
	might be the tens places with the ones places strung out sequentially to
	the right.
Back-to-back stem-and-leaf plot	Useful for comparing two related distributions with a moderate number
	of observations.
Dotplot	Graphs a dot for each case against a single axis. (see pg. 49)
(Relative Frequency) Histogram	Uses adjacent, equal-width bars to show the distribution of values in a
	quantitative variable. Each bar represents the (percentage) count falling
	in a particular interval of values. (% are useful for comparing several
	distributions with different numbers of observations.)
A good estimate for how many	· · · · · · · · · · · · · · · · · · ·
bars will give a decent histogram =	Number of observations
	5
Once we make a picture, we	Shape, center, spread, and any unusual features.
describe a distribution by telling	
about its	
Shape	Uniform, single, multiple modes
	Symmetry vs. skewed
Uniform	A distribution that is roughly flat.
Mode	A hump or local high point in the shape of the distribution of a variable
	(unimodal, bimodal, multimodal).
Symmetric	A distribution where the <mark>two halves on either side of the center</mark> look
	approximately like <mark>mirror images</mark> of each other.
Skewed (left/right)	A <mark>non-symmetrical distribution</mark> where <mark>one tail stretches out</mark> further (to
[Strewn or drawn out] (see pg. 51)	the left/right) than the other.
Center	A "typical" value that attempts the impossible, summarizing the entire
	distribution with a single number. {midpoint}
Spread	A numerical summary of how tightly the values are clustered around the
	"center." {range}
Outliers	Extreme values that don't appear to belong with the rest of the data.