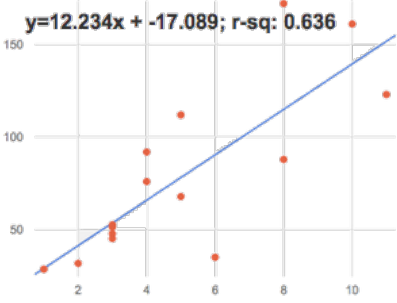
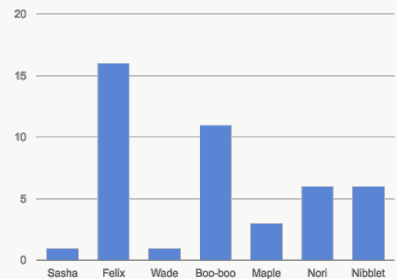
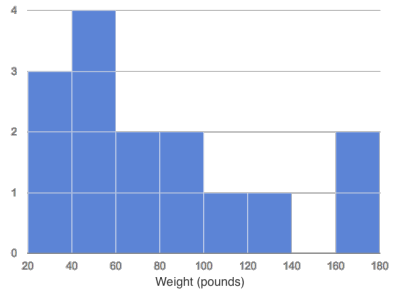


# Fake News!

Every claim below is wrong! Your job is to figure out why by looking at the data.

	Data	Claim	What's Wrong
1	The average player on a basketball team is 6'1".	<i>"Most of the players are taller than 6'."</i>	Average (mean) is highly sensitive to outliers. Most players could be under 6', with one 6'10" player throwing off the mean.
2	Linear regression found a positive correlation ( $r=0.18$ ) between people's height and salary.	<i>"Taller people get paid more."</i>	Correlation is not causation, and - more importantly - an R-value of 0.18 is very weak and should not be trusted.
3		<i>"According to the predictor function indicated here, the value on the x-axis is will predict the value on the y-axis 63.6% of the time."</i>	R-Values tell us how much of the <i>variability</i> in the dataset is explained by the predictor, <b>not how accurate it is!</b>
4		<i>"According to this bar chart, Felix makes up a little more than 15% of the total ages of all the animals in the dataset."</i>	Felix is 15 years old .
5		<i>"According to this histogram, most animals weigh between 40 and 60 pounds."</i>	Incorrect. The 40-60 pound bin has more animals than any other bin, but it makes up only a small fraction of the whole.
6	Linear regression found a negative correlation ( $r= -0.91$ ) between the number of hairs on a person's head and their likelihood of owning a wig.	<i>"Owning wigs causes people to go bald."</i>	Correlation is not causation!