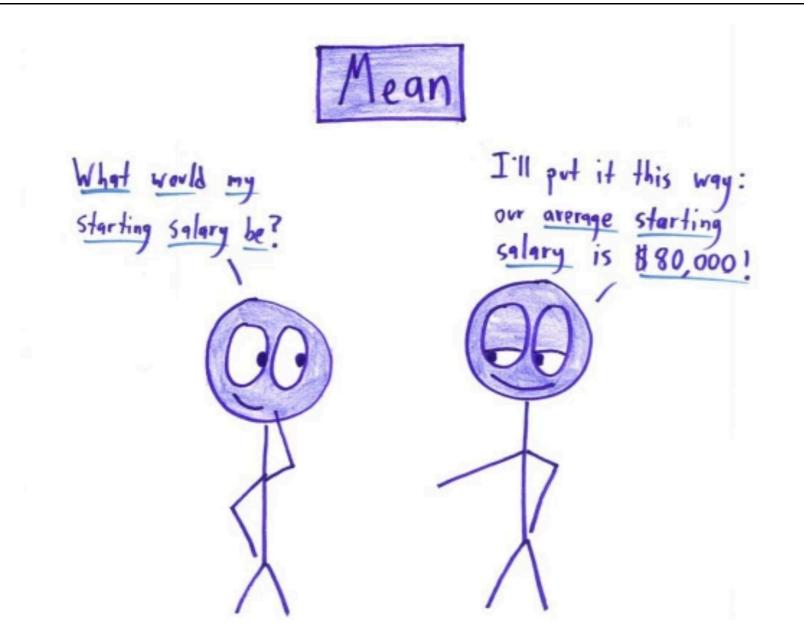
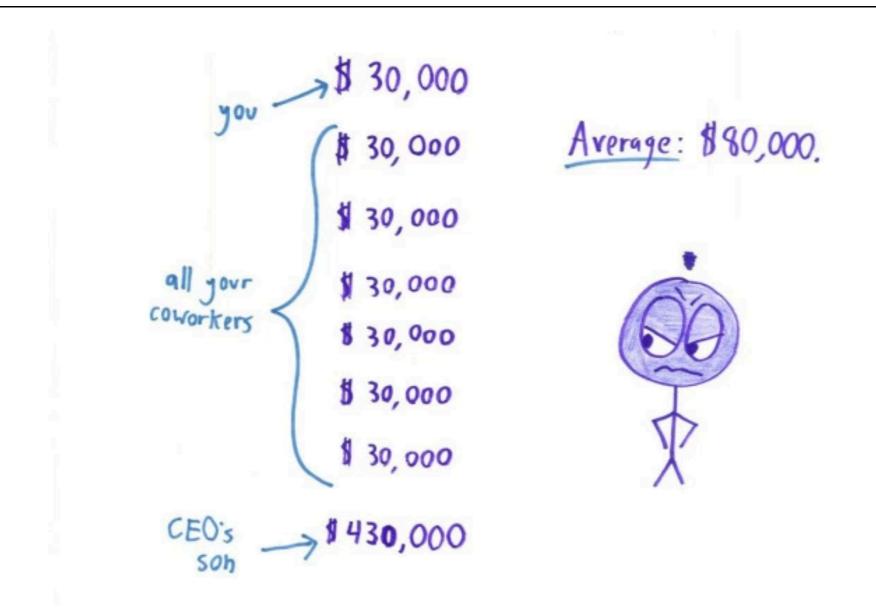
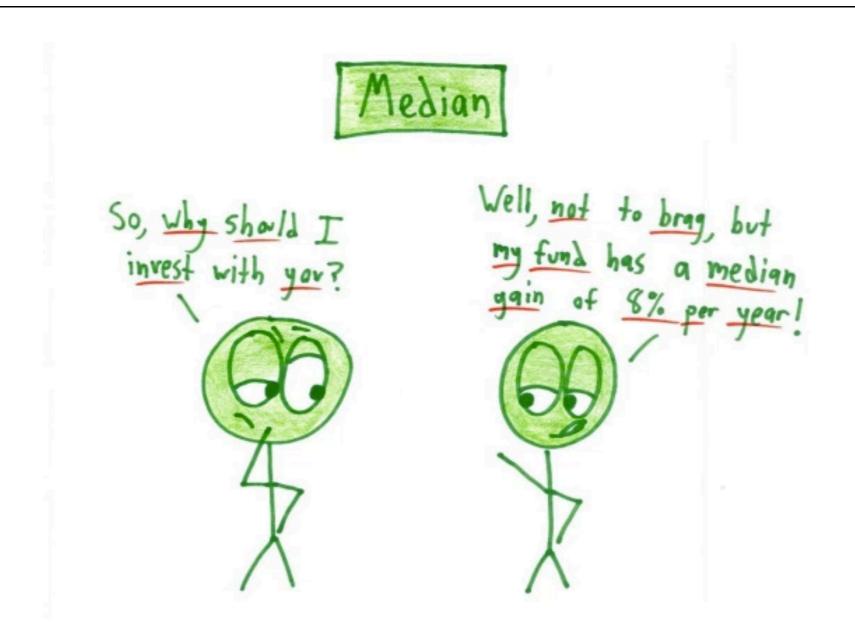
# STORYTELLING WITH DATA

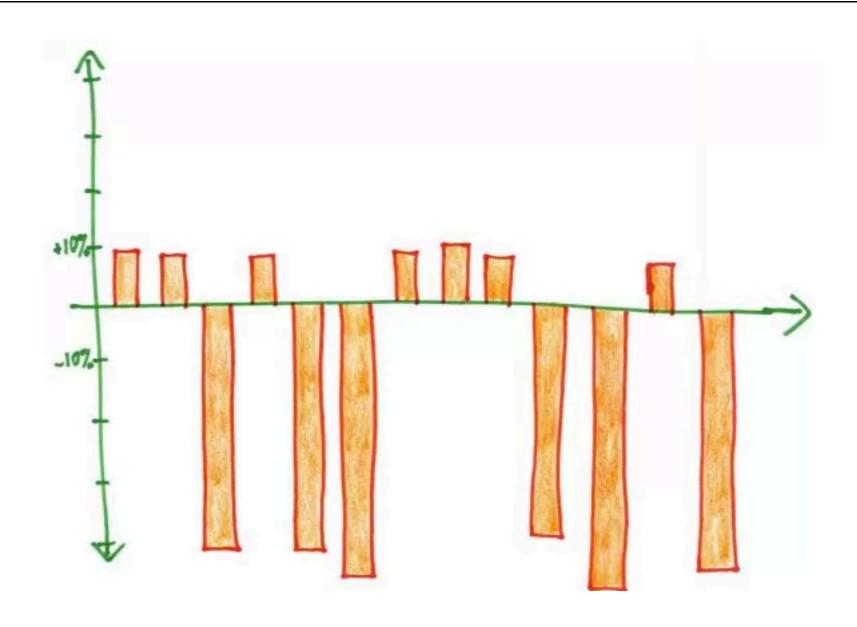
Joseph Nelson, Data Science Immersive

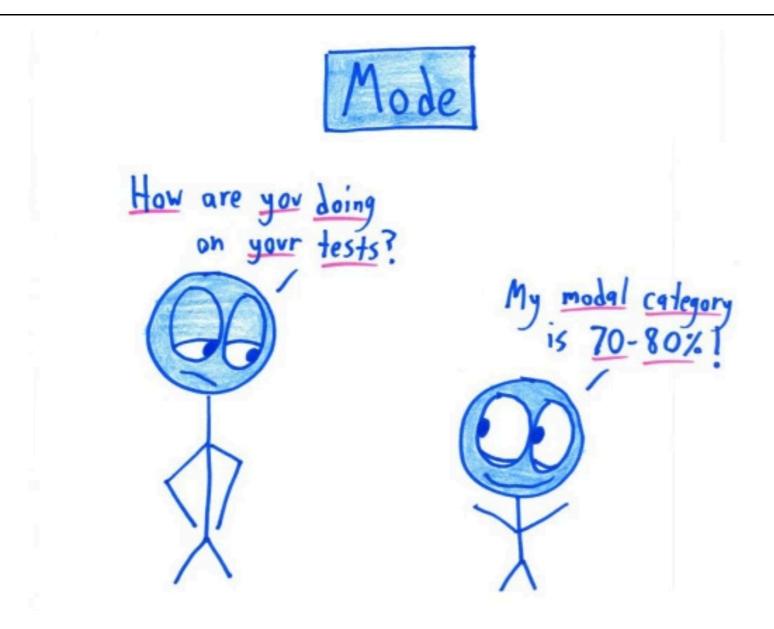
- For each picture:
- ▶ 1) What could go wrong
- → 2) How to fix it



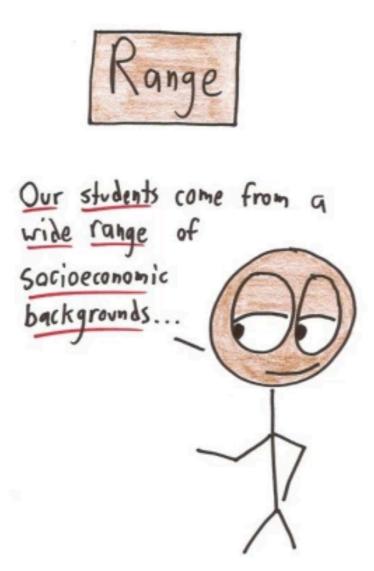


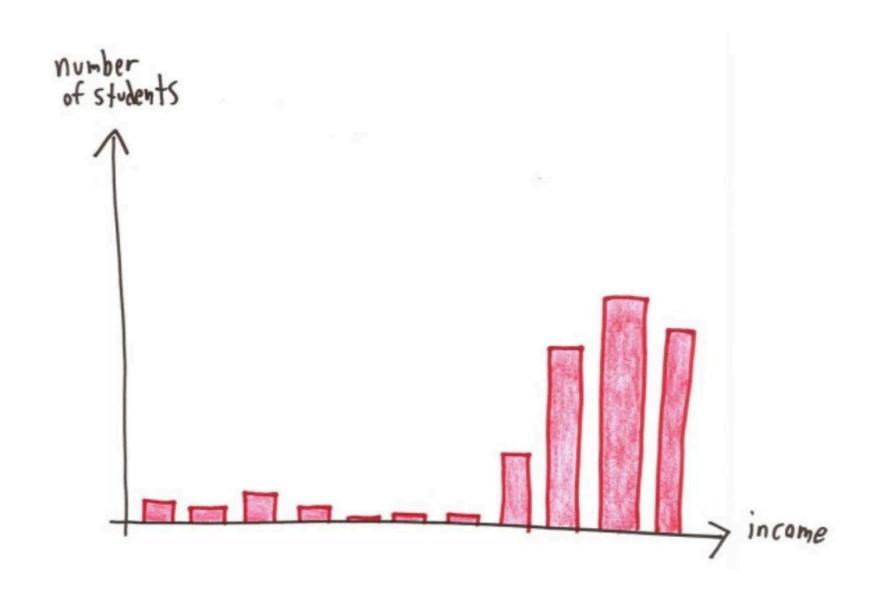






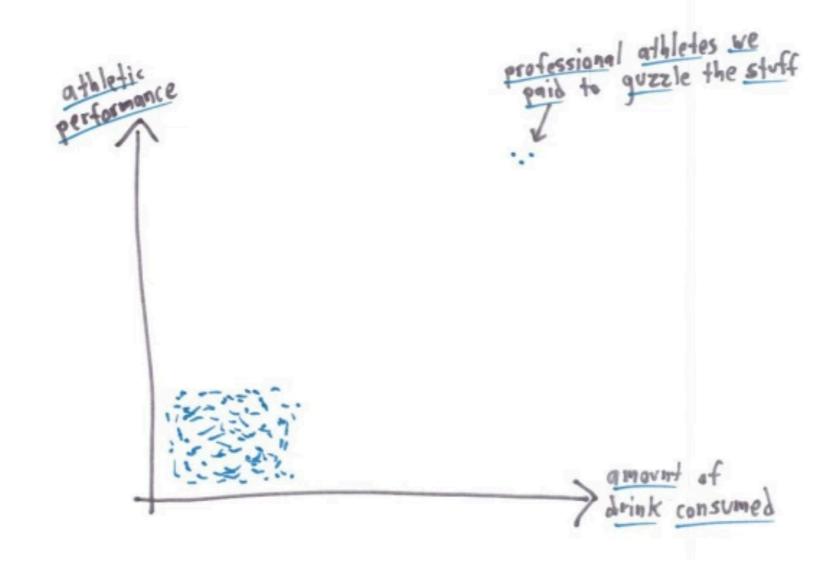
	Score Category	Number of Tests
	905	0
about the mean.	805	0
(about the mean.	705	2
8	605	1
	50s	1
	405	1
	305	1
X	205	1

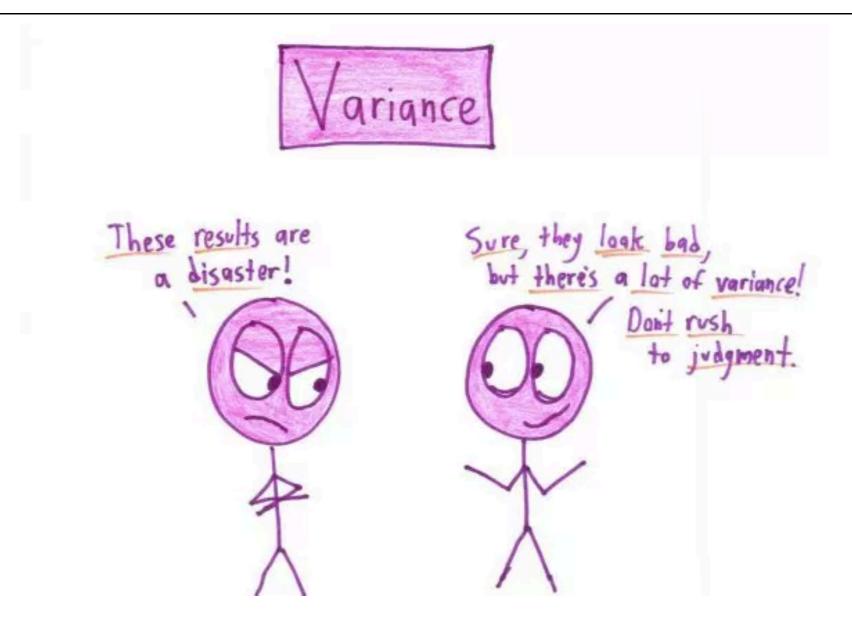


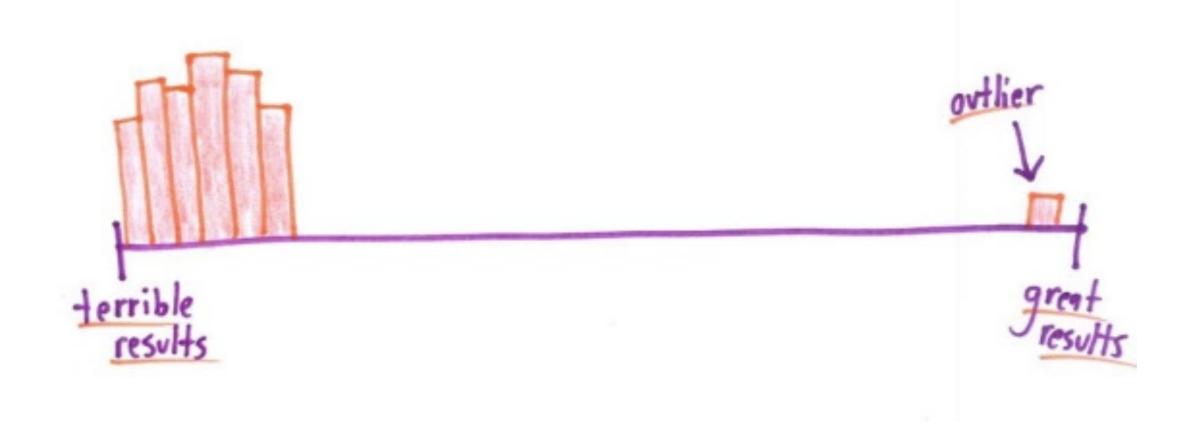






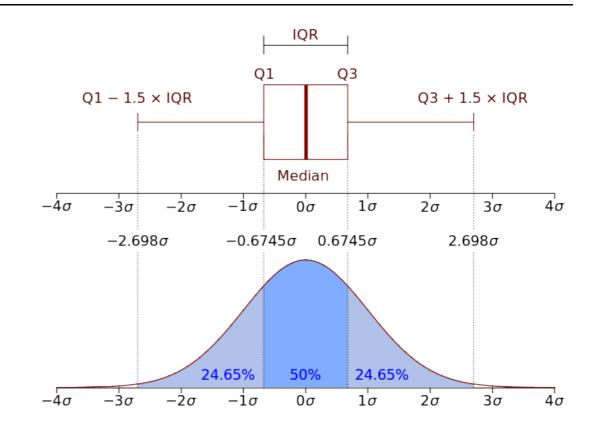


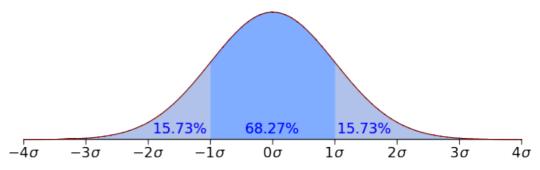




#### **QUARTILES AND THE INTER QUARTILE RANGE**

- Quartiles divide a rank-ordered data set into four equal parts.
- The values that divide each part are called the first, second, and third quartiles; and they are denoted by Q1, Q2, and Q3, respectively.
- The interquartile range (IQR) is a measure of variability, based on dividing a data set into quartiles. It is the "middle 50" of your data. Also called the H-spread. IQR = Q3-Q1
- Outliers: Q1 1.5(IQR), Q3 + 1.5(IQR)





#### CRITERIA FOR GOOD VISUALIZATION

