Sources and Types of Dala Continuous data is numerical data. Quantifativa data is numerical data. Categorical data is Qualitative. Discrete Data
Can only take in certain values. Normally values that can be counted. Ex. H of Students in class. Exi. # of people in a school # of people who voted on a bill Reportions - Known as bounded counts are the ratios of counts

# of students in school divided by
the number of teacher in a school # of people who voted "Yes" on a bill An infixed # of possible measurements between two realistic points. Not restricted like discrete data. Continuous Dala Often contains decimal points. A person's height /weight Temperature Inches of rain

Continuous variables have categories within them. Interval and Ratio Interval Data.
Ordered units with the same difference. Interval data does not have a true zero. Can add and subtract but cannot multiply or divide to calculate ratios. Ratio Values Ordered units with the same difference but has a true zero. Discrete Data Can be measured in different ways. Ordered Unordered Neminal Variables (Unordered) gorder location religion Ordinal (ranting or ordered) Crades levels income brackets

Continuous Voriables

Crouped into a small number of categories

Cinhervals) - income grouped into subset,

blood pressure levels (normal, high, etc) Nov 18th Continuous: Itas to be measured Discrete: Easily counted Croing to talk about Excel Excel was rest released in 1987. 100s of functions to answer statistical, engineering, and financial needs. Not a production solution hood for quick dive and small plots for non data people 5QL = Structured Query Language We did Data Extract / Scraping in Excel