

Cornell Notes



Topic/Objective: Chapter 8

Descriptive Statistics

Name:

Class/Period: 3

Date: 9/28/17

Essential Question:

Tok Connection How can statistics be used to assist + mislead us?

How can we decide whether to accept the statistical evidence presented to us?

Questions:

Notes: 8.1 UNIVARIATE STATISTICS

univariate - 1 variable (ages of students)

bivariate - compares more than 1 (age vs height)

Data data is information that you gather and is classified as either qualitative or quantitative

Qualitative

Quantitative

- favor color

- brand of phone

(categorical)

DISCRETE

whole #s

how many kids?

" " dogs?

(numbers)

CONTINUOUS

(can have fractions)

\$

length

weight

<u>Population</u> -	members of a defined group we are studying
	- all students at East
	- all voters in the U.S.
<u>Sample</u> - a	part of the population (subset of whole), a selection
of	individuals from the population
<u>Random Sample</u> -	must have 2 characteristics:
	1. Every individual in the population must have
	an equal opportunity of being chosen
HW 8C p. 26/241	2. The sample has essentially the same
HW 8D p. 264/265	characteristics as the population
8E p. 265	<u>8.2 Presenting Data</u>
	- frequency table and bar charts are
	ways to view data quickly and
	look for patterns
	- when you have a lot of data, you
	can use a grouped frequency
	table and a histogram
	(bar chart with no gaps)

