Collecting Data

Pg. 10

What's the difference between categorical and quantitative variables?

Do we ever use numbers to describe the values of a categorical variable?

2 ip code, phone#, st.#, ss #

When describing the distribution of a quantitative variable, what characteristics should be addressed?

Alternate Example: US Census Data Here is information about 10 randomly selected

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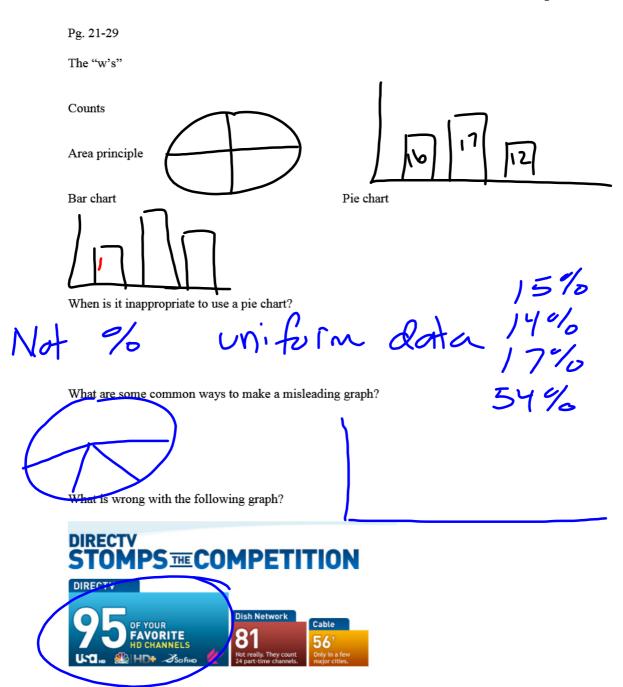
State	Number of Family Members	Age	Gender	Marital Status	Total Income	Travel time to work
Kentucky	2	61	Female	Married	21000	20
Florida	6	27	Female	Married	21300	20
Wisconsin	2	27	Male	Married	30000	5
California	4	33	Female	Married	26000	10
Michigan	3	49	Female	Married	15100	25
Virginia	3	26	Female	Married	25000	15
Pennsylvania	4	44	Male	Married	43000	10
Virginia	4	22	Male	Never married/ single	3000	0
California	1	30	Male	Never married/ single	40000	15
New York	4	34	Female	Separated	30000	40

(b) What variables are measured? Identify each as categorical or quantitative. In what units we the quantitative variables measured?

(c) Describe the individual in the first row.

1 **Chapter 2 Notes** 

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Chapter 2 Notes 2