

Variables or Not

Suppose that the observational units of interest are the 50 states. Identify which of the following are **VARIABLES** and which are **NOT**.

Also classify the variables as categorical (binary?) or quantitative.

a) Handedness (left/right) of the state's current governor [Categorical/Qual Binary]

b) Number of states that have a female governor

[Not a variable, doesn't vary from state to state (obs-unit to obs-unit)]

c) Percentage of the state's residents older than 65 years of age [Quantitative]

d) Highest speed limit in the state [Quantitative]

e) Whether the state's name contains only one word [Categorical/Qual Binary]

f) Average income of the adult residents of the state [Quantitative]

g) How many states were settled before 1865

[Not a variable, doesn't vary from state to state (obs-unit to obs-unit)]

h) Telephone area code for the capitol building in the city [Categorical/Qual]