

Welcome To AFM!

Mr. Maxwell and Ms. Nickalson

Room 2620

Quantitative
vs.
Qualitative Data

Quantitative

Measurements and Counts

Continuous

(heights, weights,
temperatures)

Discrete

(anything you count)



Qualitative

Classify objects into groups

Categorical

(no sense of order)

Ex. Eye color, blood type

Ordinal

(a natural order for the values)

Ex. Income of a group of people

Define the variable and determine if it is **continuous, discrete, categorical, or ordinal.**

1. A survey was conducted asking students how many times a day they check their email.

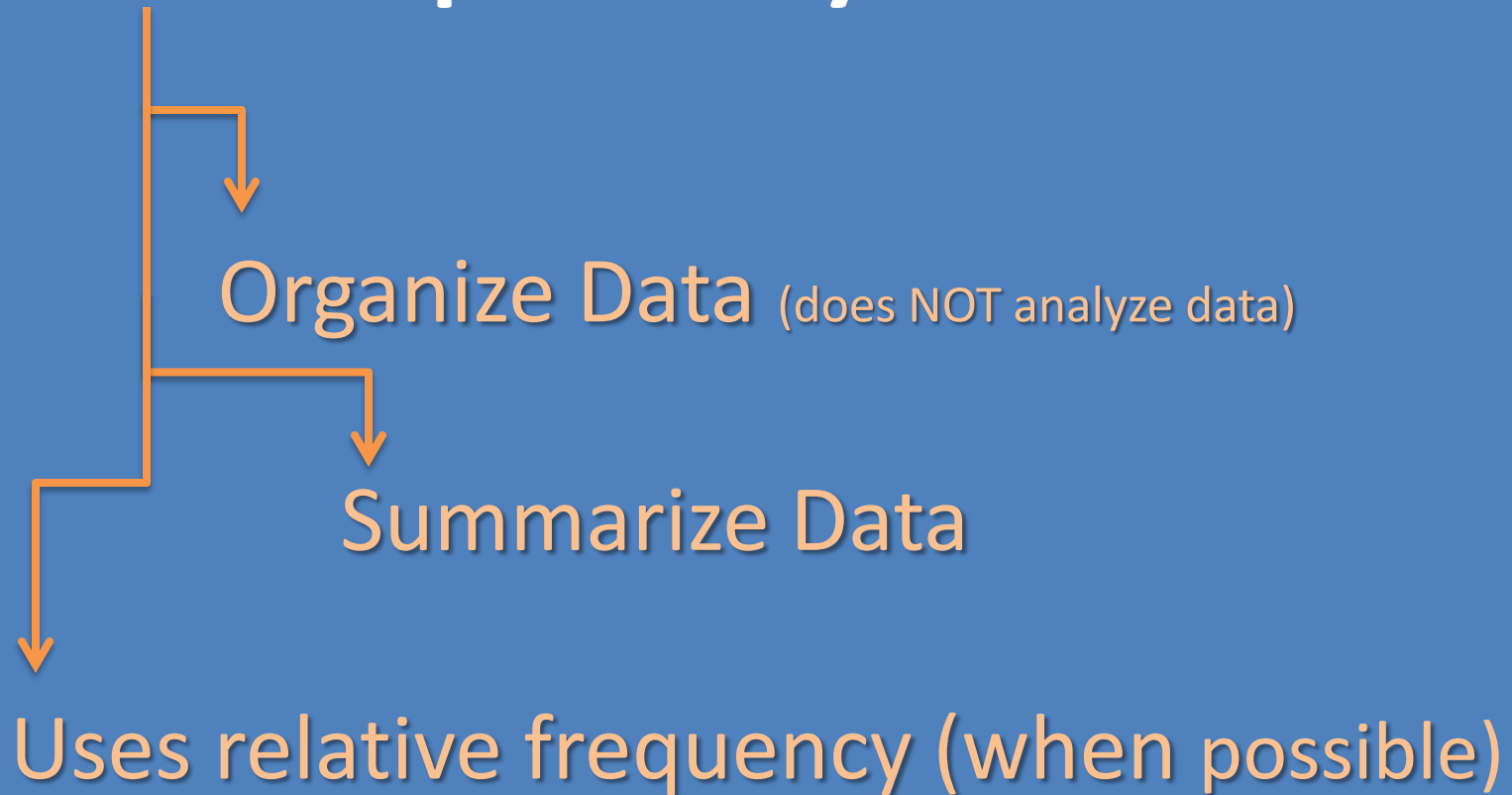
A survey was conducted asking students the time it took to get to school.

3. A survey was
conducted asking
students their favorite
Skittle flavor.

4. A survey was conducted asking grade classification (Fresh. Soph. Jun. Sen.)

Organizing Data

Frequency Tables



Qualitative	Quantitative (frequency)	Relative Frequency
What Data You Collected		
Only the answers you receive go in this column		

Do You
Like
Math?

Yes	Yes	No	No
Yes	Maybe	Yes	No
Yes	No	Yes	No
No	No	Yes	Yes
No	Yes	No	No
No	No	Yes	Maybe
No	Yes	Maybe	Yes
Yes	Maybe	No	No