

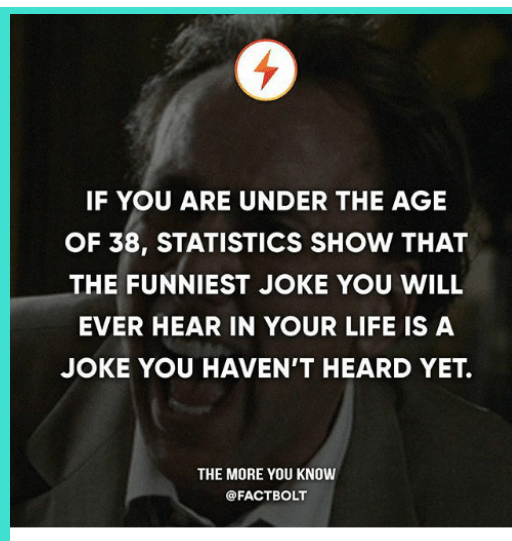
August 1, 2019

1. Schedule and Transcript

2. Index Card - Table

Blank Side - First name (Make colorful)

Lined Side - Leave blank



Birthday

BLOCK

Goals for this year

Question for the teacher

Topic: Intro to Statistics

Name: _____

What am I learning today?

Date: _____

**Main Ideas/
Questions**

Basic Statistic
Vocabulary

Notes

Statistics - The art and science of dealing with data.

Definition	
Individuals	The objects described by a set of data. ***Can be people, animals, or things. ***It is the WHO or the WHAT we are studying
Variable	Any characteristic of an individual. ***Can take different values for different individuals. ***Always check the <i>units</i> that a variable is being measured in.

Types of
Variables

Definition	
Categorical	Places an individual into one of several groups or categories. <u>Examples:</u> gender, job title, license plate, phone number zip code
Quantitative	Takes numerical values. ***Can use arithmetic operations or when averaging makes sense <u>Examples:</u> test average, salary, gas mileage

EXAMPLE 1: Develop a question about Wheeler Seniors that is....

a) **Categorical**

b) **Quantitative**

Topic: Intro to Statistics**Date:** _____**Main Ideas/
Questions**

Examples

Example 2: Below are the results of surveying 6 Canadian students.

Name	Province	Languages Spoken	Height (cm)	Preferred Communication	Area Code	Number of Pets
Eric	Ontario	1	175	In Person	519	4
Shelley	Montreal	3	162.5	Snapchat	514	1
Frank	Ontario	2	178	Facebook	519	0
Cynthia	Alberta	1	166	Snapchat	587	2

1. Who or what are the individuals in this data set?

*4 Students,*2. What variables are categorical? *Province, Pref. Comm.,**Name, Area Code*3. What variables are quantitative? *Languages, Height, # Pets***Example 3:** Below a sample of 3 apples were taken from a delivery truck.

	TYPE	WEIGHT	COLOR	SUGAR (GRAMS)	FIBER (GRAMS)
APPLE 1	FUJI	4 OZ	RED	12.7	2.3
APPLE 2	HONEYCRISP	6 OZ	RED	25	5.1
APPLE 3	PINK LADY	7 OZ	PINK	16	5

1. Who or what are the individuals in this data set?

Apple 1, Apple 2, Apple 3

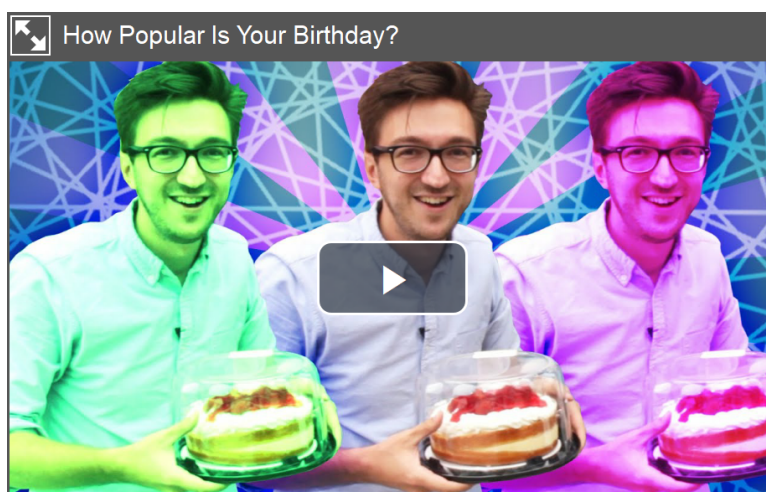
2. What variables are categorical?

Type, Color

3. What variables are quantitative?

*Weight, Sugar, Fiber.***Summary**Summarize
the lesson in
your own
words

The Birthday Paradox



50% chance of a shared birthday in a group of 23

_____ chance of a shared birthday in a group of _____

CALC


Practice POSSIBLE WARM UP

DAY 2

pg. 5-6

Problems 1.1 - 1.4