**Discreet and Continuous Variables:**

A **discrete variable** is a **variable** whose value is obtained by counting.

A **continuous variable** is a **variable** whose value is obtained by measuring.

A **continuous variable** is one which can take on a value between any other two values

A **discrete variable** corresponds to a digital quantity, while a **continuous variable** corresponds to an analog quantity.

1. Discreet Variables

Examples:

* Gender
* Employment Status
* Number of Heads tossed
* Number of Cars you own
* Age in Years
* Countries in the World
* States in US
* Date
* Number of students present
* Number of red marbles in a jar

1. Continuous Variables

Examples

* Height of Students in a class
* Weight of Students in a class
* Annual salary (reported in Dollars and Cents)
* Drive time from your home to work
* Miles hiked in a month
* Date
* Temperature
* Time spent waiting
* Water consumed
* Color wavelength
* Direction of travel

NOTE: Date can be treated as Discreet or Continuous. We will see examples, when we work on Tableau

**Very Important:**

**You need to understand the concept of Discreet and Continuous variables. This concept is being used on every worksheet we develop in Tableau.**

Further reading:

https://www.youtube.com/watch?v=6IdJ1aPFDCs

<https://www.khanacademy.org/math/statistics-probability/random-variables-stats-library/discrete-and-continuous-random-variables/v/discrete-and-continuous-random-variables>