Bar Graphs –

- Used to compare various observations based on a certain parameters
- Preferred when you want to visualize and compare categorical data or discrete data

	Categorical	Quantitative
Definition	*Take on names or labels*	*Take on numeric values*
Examples	Marital Status	Height
	Smoking Status	Population Size
	Eye Color	Square Footage
	Level of Education	Class Size

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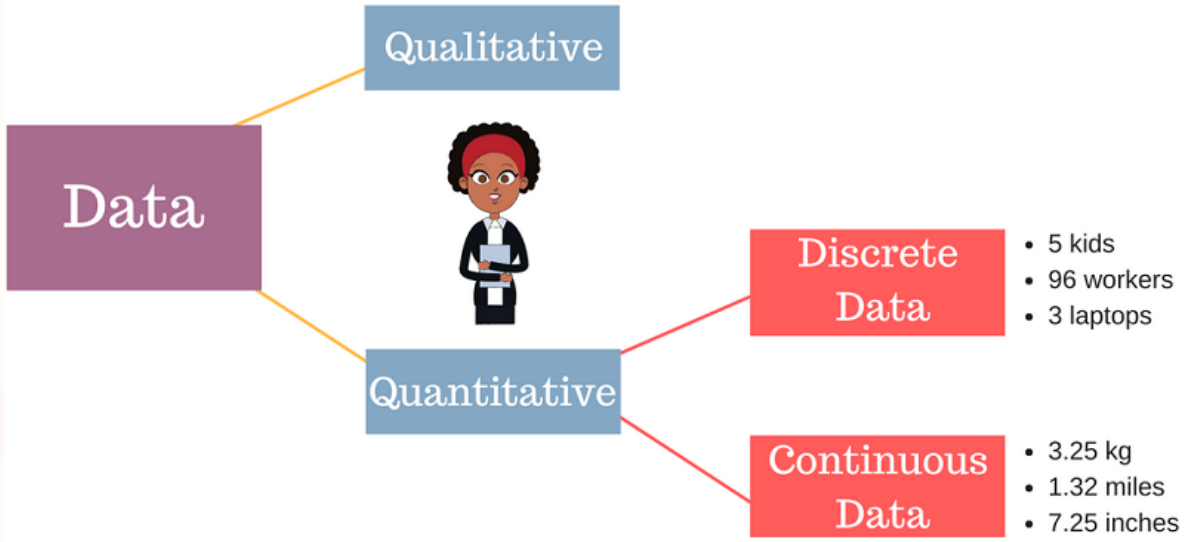
Examples

Discrete	Continuous
• # of eggs in a basket • # of kids in a class • # of Facebook likes • # of diaper changes in a day • # of wins in a season • # of votes in an election	• Weight difference to 8 decimals before and after cookie binge. • Wind speed • Water temperature • Volts of electricity



Scenarios in which bar plots are preferred

- Frequency Distribution
- Comparing Categories
- Showing Counts or Frequencies
- Visualizing Survey Data
- Time Series Data
- Comparing Subsets
- Highlighting Differences
- Comparison of Features

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