



Which Plot to use ?

A summary of visualizations

Basics :

Univariate Analysis : Analysis of 1 Variable

Bi-variate Analysis : Analysis of 2 Variables

Multivariate Analysis : Analysis of more than 2 Variables at a time

Which plot to choose with its Data Type ?



X Variable	Y Variable	Purpose of analysis	Type of chart	Example
Continuous (numerical)	Continuous (numerical)	How Y changes with X	Scatter plot	How Mileage affects with Horse Power ?
Continuous (numerical)	Categorical	How the range of X varies for various category levels	Box plot	HorsePower variation with Fuel type
Categorical	Categorical	What is the number or % of records of X which falls under each category	Stacked bar	How many data we have for each Fuel Type
Continuous (numerical)	Time Series Data	Understand the trend on the dataset	Line Plot/Point Plot	To check the sales of the product over the period of years
Continuous	-	Look at the distribution of the values of the X variable	Histogram, boxplot	How do we have the Mileage details for the dataset
Impact of 2 X variables on a Y variable			Facet_grid()	



In the Next Section:

Start our Journey to Data Science