

## Exploratory Data Analysis

- 1) **What is explanatory data analysis?**  
EDA is all about to understand your data by employing summarization and visualization technique.
- 2) **What is Univariate Analysis?**  
Individual variables are analyzed in isolation to have better understand about them.
- 3) **What is bivariate Analysis?**  
Bivariate Analysis deals with relationship between two sets of data. These sets of paired data come from related sources or samples.
- 4) **What is multivariate Analysis?**  
You try to understand a sense of relationship of all variables with one another.
- 5) **What is correlation matrix?**  
A table where the variables are shown on both rows and columns, and cell values are the correlation between the values.
- 6) **What is Covariance Matrix?**  
A convenient structure for storing variance and covariance figures for securities and factors. Covariance represents the co-movements between securities and can be generated using a single-variable linear regression.
- 7) **What is pair plot?**  
Pair plots are way to visualize relationship between each variables. It produces a matrix of relationship between each variable for an instant examination of our data.
- 8) **What is correlation?**  
Correlation is the measure of the linear relationship between two quantitative variables. E.g. height and weight.
- 9) **What is Covariance?**  
A measure of the relationship between two random variables from their expected values.