Exploratory Data Analysis in R

In R Programming Language, we are going to perform EDA under two broad classifications:

- **Descriptive Statistics,** which includes mean, median, mode, inter-quartile range, and so on.
- **Graphical Methods,** which includes histogram, density estimation, box plots, and so on.

Exploratory data analysis is one of the basic and essential steps of a data science project. A data scientist involves almost 70% of his work in doing the EDA of the dataset.

Key aspects of EDA include:

- **Distribution of Data**: Examining the distribution of data points to understand their range, central tendencies (mean, median), and dispersion (variance, standard deviation).
- **Graphical Representations**: Utilizing charts such as histograms, box plots, scatter plots, and bar charts to visualize relationships within the data and distributions of variables.

References

1. https://www.geeksforgeeks.org/exploratory-data-analysis-in-r-programming/

Glenn J Myatt, Making sense of data – A Practical guide to exploratory data analysis and data mining, WILEY-INTERSCIENCE A JOHN WILEY & SONS, INC., PUBLICATION