**End-to-End Machine Learning**

**EDA (Exploratory Data Analysis):**

EDA is the process of examining and analyzing data to gain insights, discover pattern, and understand the characteristics of the data.

It help understand the dataset and identify the issue that could affect model performance downstream.

Contain some steps like Proportion of missing value

**Understanding the data**

Summary of the features -> df.info

Show non null entries and feature type -> df.info

Class imbalance: impact the performance of the machine learning model, it cause model to always predict the majority class -> df.value\_counts( )

Missing values: df.null

Outliers: Are the data points that are different from the other points, it will cause measurement error, data entry error -> use boxplot, or IQR