1. **Data Collection** from various sources including fundamental indicators, news sentiment, economic indicators
2. **EDA-** SWOT analysis to understand strengths weaknesses opportunities and threats of the stock.
3. **Data Preprocessing** Handling Missing values, normalizing or scaling features. Creating new columns like Standard deviation, skew\_score, kurtosis\_score, alpha, beta and Value at risk to understand risk, volatility and performance of stock. We can get alpha beta from any of the sources or we can create our own alpha and beta using the index of stock & linear regression. ( This approach is already present **in Fetch\_yahoo\_Ml\_dummy.ipynb**)
4. **Feature Selection:**  We can use this to Select the most relevant features for modelling using Kbest, RFE, PCA
5. **Create a baseline model like linear regression to have a comparison for our new model.**
6. **Model Selection & Training**
7. **Model Evaluation**
8. Once Satisfied with the results**, we can build Transformers , setup pipelines & download pickle file for the deployment stage of the model.**
9. Monitor the model.
10. Also, as we are dealing with stock market, we need to implement some strategies to lessen losses as well like stop-loss, risk adjusting returns.