Machine learning

1. Introduction
2. Types of data
3. Raw & Processed data
4. Data Wrangling
5. Packages – (Sci kit-Learn, Pandas, Numpy, Matplotlib)
6. Exploratory Data Analysis
7. Types of Machine learning
   a. Supervised
      i. Regression
      ii. Classification
   b. Unsupervised
      i. Clustering techniques
8. Linear Regression
9. Logistic Regression
10. K Nearest Neighbors
11. Model Selection
12. Over Fitting & Under Fitting
13. Regularization: Ridge and Lasso
14. Feature Engineering
15. Model Selection
16. Cross Validation
17. Normalization & Standardization
18. Hyper Parameter Tuning
19. Primary Component Analysis (PCA)
20. Decision Trees
21. Support Vector Machine (SVM)
22. Random Forest
23. Gradient Boosting
24. XG boost
25. Industry based projects and implementation