- Machine Learning Concepts in hierarchy
  - Feature Selection techniques
    - Forward selection
    - Backward Selection
    - Bidirectional Selection
  - Feature Reduction Techniques
    - PCA
  - Feature Scaling Link
    - Min-Max
    - Mean Normalization
    - Standardization (Z-score Normalization)
    - Scaling to unit length
  - Sequential Modelling Algorithms
    - HMMs : Generative models - P(X,Y)
    - CRFs: Discriminative models - P(y/x) : (Sequential Version of Logistic Regression) Link
      - Linear chain CRFs : Consider only i-1 lable
      - General CRFs
    - RNN
    - LSTM
    - GRU
  - Classical Classification Algorithms
    - Logistic Regression (Its Regression as it outputs probability of class labels)
    - Naive Bayes
    - SVM (can be used only for classification and it directly predicts class labels on the basis of hyperplanes and support vectors)
      - Linear Kernel
      - RBF Kernel
      - Polynomial Kernel
    - Decision Trees (Regression as well as classification)
    - Bag of classifiers (Bagging)
      - Random Forests
    - Boosting Based classifiers
      - XGBoost (Framework known as Xtreme Gradient Boosting)
        - AdaBoost
        - Gradient Boosting
        - Stochastic Gradient Boosting

        - Regularized Gradient Boosting
- Clustering Techniques
    - K-Means
    - K-medoid
    - DBSCAN
    - Agglomerative
    - Divisive
    - Genetic Algorithms
- Regularization
    - L1 regularization
    - L2 Norm
- Similarity measures Nice blog
    - Euclidian distance(L2 Norm)
    - Manhattan Distance(L1 Norm)
- MultiLable classificationNice blog