machine learning, prediction, training, testing, independent variable, dependent variable, supervised learning, grouping, clustering, regression, classification, numerical data, categorical data, linear regression, beta value, error evaluation metrics, error, error square, mean square error, root mean square error, overfitting, underfitting, regularization, smote, ridge, lasso, hyperparameters, logistic regression, true, false, positive, negative, true positive, true negative, false positive, false negative, confusion matrix, accuracy, precision, recall, f1score, decision tree, random forest, KNN, SVM, hyperplane, soft svm, hard svm, kernel, rbf, gini index, impurity, entropy, ensemble, bagging, boosting, ada, gbc, binary class, multiple class, balanced data, imbalanced data, random under sampling, random oversampling, cross validation, euclidian distance, KMeans, elbow visualizer, interclustter distance, silhouette distance.