Write Python program to Implement Data Preparation using techniques like data cleaning on dataset

1) Installation packages , Loading Dataset , Locate Missing Data ,Show data Frame
2) Data Cleansing technique (Drop the data , input missing data, check duplicate value, drop duplicate value)

Write Python program to Implement Data Preparation using techniques like data filtration on dataset

1) Installation packages , Loading Dataset, Show data frame
2) Data Filtration technique
(Select Single and Multiple column by label , Selecting columns by data type ,selecting single Or multiple row , etc)

Write Python program to Implement Data Preparation using techniques like data Aggregation on dataset

1) Installation packages , Loading Dataset , Show data frame
2) Data Aggregation function (sum , min, max, std, mean,describe ,count)

Write Python program to Implement Data Preparation using techniques like Handling missing values, Feature Scaling on dataset

1) Installation packages , Loading Dataset , Show data frame , Handling missing values
2) Feature Scaling(using min max scaler , standard scaler)

Write Python program to Implement feature selection using technique univariate selection, correlation heatmaps on dataset

1) Installation packages , Loading Dataset , Show data frame , Univariate selection using SelectKBest ,Chi2
2) Feature Selection(Show features score , plot correlation matrix with heatmaps) on given dataset

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Write Python program to Implement feature engineering technique like one hot encoding ,outlier management on dataset

1) Installation packages , Loading Dataset , Show data frame , detect outlier
2) one hot encoding (convert text-based values into numeric values)

Write Python program to Implement logistic regression classifier on dataset

1) Installation packages , Loading Dataset , Show data frame .
2) Implement logistic regression classifier with score

Write Python program to Implement Naïve Bayes classifier on dataset

1) Installation packages , Loading breast_cancer dataset from sklearn , Show data frame .
2) Implement Naïve Bayes classifier using GaussianNB model and predict value.

Write Python program to use of confusion matrixes to describe performance of classifier on dataset

1) Installation packages , Loading dataset, Show data frame , Create confusion_matrix
2) Describe accuracy_score, precision_score, recall_score, f1_score using confusion matrix

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Write Python program to implement classifier using support vector machines.

1) Installation packages , Loading dataset, Show data frame , Create confusion_matrix
2) Describe accuracy_score, precision_score, recall_score, f1_score using confusion matrix

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Write Python program to implement classifier using support vector machines.

1) Installation packages , Loading dataset, Show data frame, Create confusion_matrix
2) Visualizing the train, test result in colormap & Show classification report

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Write Python program to Build a decision tree classifier .

1) Installation packages , Loading dataset, Show data frame, Build a decision tree classifier
2) Evaluate performance of a classifier by printing classification report.

Write Python program to Build random forest on dataset

1) Installation packages , Loading dataset, Show data frame, Fitting Decision Tree classifier to the training set random forest
2) Visualizing the train/test set result & printing classification report.

Write Python program to implement K-Means for clustering on dataset.

1) Installation packages , Loading dataset, Show data frame, implement k-Means Clustering
2) visualizing cluster & generate the centroids of our clusters.

Write Python program to implement K-NN classifier (KNeighborsClassifier) on dataset

1) Installation packages , Loading dataset, Show data frame, Fitting K-NN classifier.
2) Visualizing the train/test set result & printing classification report.

Write Python program to visualizing audio signals

1) Installation packages , read audio file, Normalize the signal.
2) Plot the audio signal.

Write Python program to transform audio signals to the frequency domain.

1) Installation packages , read audio file, Normalize the signal, Apply Fourier transform
2) Adjust the signal & Plot the audio signal.

Write Python program to generate audio signal.

1) Installation packages , read audio file, Specify audio parameters, Generate the audio signal
2) Add some noise to the signal & Plot the audio signal

Write Python program to installation of NLTK and tokenizing text data

1) Installation package (NLTK, gensim, pattern) , Define input text,
2) Divide the input text into sentence tokens and word tokens

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Write Python program to Implement Data Preparation using techniques like data filtration on dataset

1) Installation packages , Loading Dataset, Show data frame
2) Data Filtration technique

(Select Single and Multiple column by label , Selecting columns by data type ,selecting single Or multiple row , etc)

Write Python program to Implement Data Preparation using techniques like data Aggregation on dataset

1) Installation packages , Loading Dataset , Show data frame 10 M
2) Data Aggregation function (sum , min, max, std, mean,describe ,count) 20 M

Write Python program to Implement Data Preparation using techniques like Handling missing values, Feature Scaling on dataset

1) Installation packages , Loading Dataset , Show data frame , Handling missing values 10 M
2) Feature Scaling(using min max scaler , standard scaler) 20 M

Write Python program to implement classifier using support vector machines.

1) Installation packages , Loading dataset, Show data frame , Create confusion_matrix 10 M
2) Describe accuracy_score, precision_score, recall_score, f1_score using confusion matrix 20 M

Write Python program to implement classifier using support vector machines.

1) Installation packages , Loading dataset, Show data frame, Create confusion_matrix 10 M
2) Visualizing the train, test result in colormap & Show classification report 20 M

Write Python program to Build a decision tree classifier .

1) Installation packages , Loading dataset, Show data frame, Build a decision tree classifier 20 M
2) Evaluate performance of a classifier by printing classification report. 10 M