

## **SVM**

- Load 'load\_breast\_cancer' dataset from sklearn.datasets.
- Print the names of the features.
- Print the names of the labels.
- Print the shape of the data.
- Check the top 5 records of the feature set.
- Print the cancer labels for the target set.
- Split the data (70% training).
- Create an svm classifier.
- Train the model using the training dataset.
- Predict the response for test dataset.
- Evaluate the model with the 'metrics' class specifying the 'precision' and 'recall' metrics.
- What does the recall metric imply?

## **Logistic Regression**

- Use the same dataset for a Logistic Regression (CV) model.
- Use the same process as for the SVM.
- Generate the classification report.
- Generate the confusion matrix.
- Generate the area under the curve.