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# Visualize A Decision Tree

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## Preliminaries

```
# Load libraries
from sklearn.tree import DecisionTreeClassifier
from sklearn import datasets
from IPython.display import Image
from sklearn import tree
import pydotplus
```

## Load Iris Data

```
# Load data
iris = datasets.load_iris()
X = iris.data
y = iris.target
```

## Train Decision Tree

```
# Create decision tree classifier object
clf = DecisionTreeClassifier(random_state=0)

# Train model
model = clf.fit(X, y)
```

## Visualize Decision Tree

```
# Create DOT data
dot_data = tree.export_graphviz(clf, out_file=None,
                                feature_names=iris.feature_names,
                                class_names=iris.target_names)
```

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