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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

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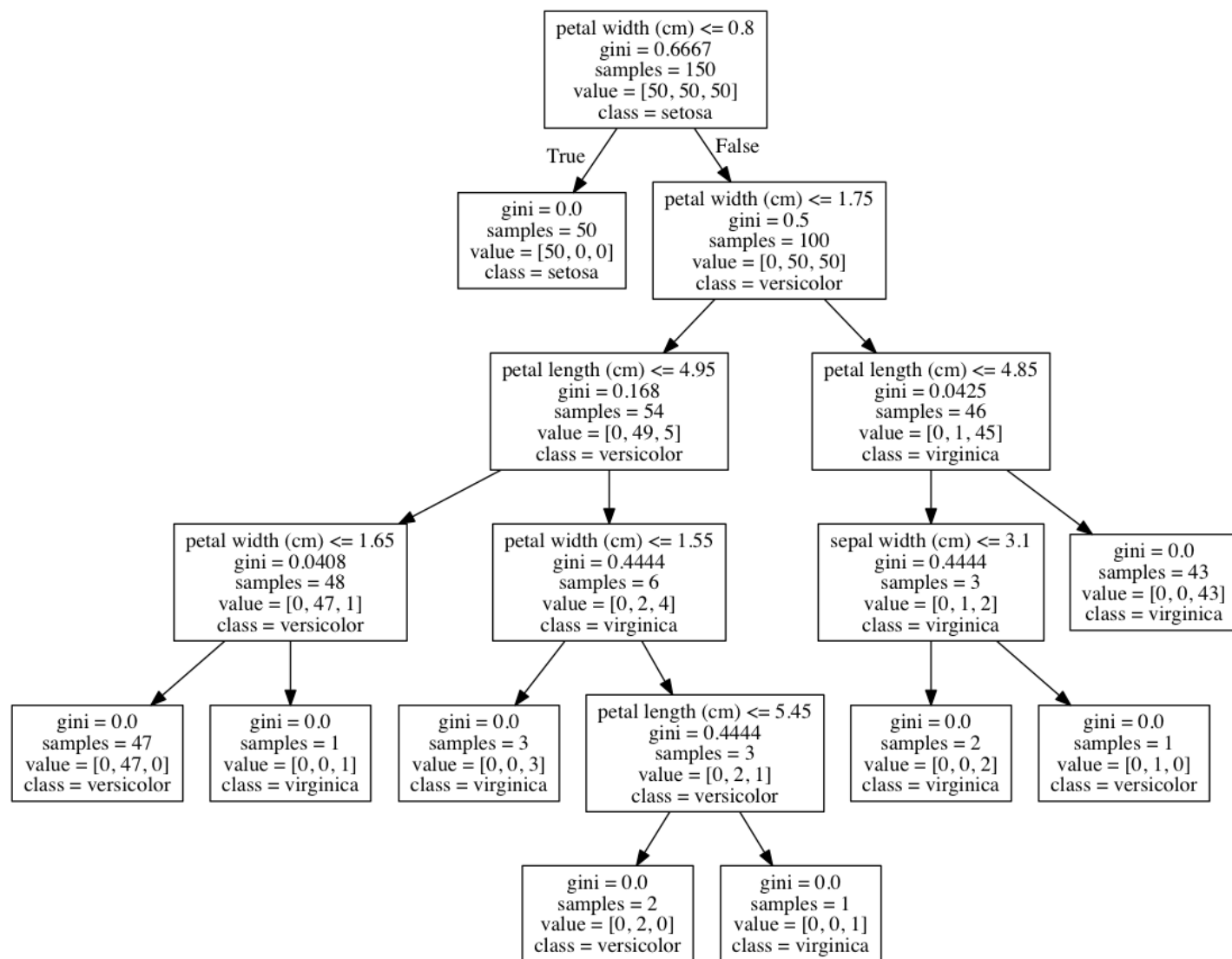
```
feature_names=iris.feature_names,
class_names=iris.target_names)
```

```
# Draw graph
```

```
graph = pydotplus.graph_from_dot_data(dot_data)
```

```
# Show graph
```

```
Image(graph.create_png())
```



Save Decision Tree Image To File

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```
# Create PNG  
graph.write_png("iris.png")
```

True

Find an error or bug?

Everything on this site is available on GitHub. Head to [and submit a suggested change](#). Include the tutorial's URL in the issue.

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