

# Using Python for Machine Learning

Professor Widom's Instructional Odyssey

[www.professorwidom.org](http://www.professorwidom.org)



# Python for Machine Learning

- **Regression** - numpy (with matplotlib)
- **Classification** - scikit-learn (with pandas)

**K-nearest-neighbors**

KNeighborsClassifier()

**Decision trees**

DecisionTreeClassifier()

RandomForestClassifier()

**Naïve Bayes**

GaussianNB()

- **Clustering** - scikit-learn (with pandas)

**K-means** - KMeans()

# Python for Machine Learning

Plenty of your turn!

For help while working with Python:

**Tutorials and help pages**

(website Course Materials)

➤ **Web search**