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In [1]: # Same loan dataset
import pickle
ofname = open('/Users/xiyongzhang/documents/MQ/RA_ACST890_notes/dataset_small.pkl','rb')
(x,y)=pickle.load(ofname,encoding='bytes')

In [2]: from sklearn import svm
from sklearn import metrics

# First, classify SVM model
# Specify penalty as 0.5, and use Gaussian kernel
clf=svm.SVC(C=1.5,kernel='rbf')

# Fit model
clf=clf.fit(x,y)

# Predict
yhat=clf.predict(x)

metrics.accuracy_score(yhat, y)

Out[2]: 1.0

In [3]: # If assign a higher C, accuracy will improve, and reach 1
# Try it!

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