* + The columns selected for prediction,
  + The training and testing split,
  + The SVM model building, and
  + The accuracy.

Column prediction selected: Survived

Training and testing:

# Split data into our test and training datasets

from sklearn.model\_selection import train\_test\_split

X\_train, X\_test, Y\_train, Y\_test = train\_test\_split(x, y, test\_size=0.3, random\_state=0)

SVM model building

# Fit (train) the Support Vector Machine classifier

svm\_clf = SVC()

svm\_model = svm\_clf.fit(X\_train, Y\_train)

Accuracy:

print("Accuracy {0:.2f}%".format(100\*accuracy\_score(svm\_prediction, Y\_test)))

Accuracy 71.64%