<https://www.tutorialspoint.com/artificial_intelligence_with_python/index.htm>

* CLASIFICA LOS FEATURES MAS IMPORTANTES
* UTILIZA EL MODELO DE RAIN FOREST
* ASI PUEDE USAR CUALQUIER MODELO Y LUEGO EVALUA FEATURES MAS IMPORTANTES

import matplotlib.pyplot as plt

import numpy as np

from sklearn.ensemble import RandomForestClassifier

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

from sklearn.datasets import load\_breast\_cancer

cancer = load\_breast\_cancer()

X\_train, X\_test, y\_train,y\_test = train\_test\_split(cancer.data, cancer.target, random\_state = 0)

#usara modelo RandomForestClassifier

MODELO = RandomForestClassifier(n\_estimators = 50, random\_state = 0)

MODELO.fit(X\_train,y\_train)

print('Accuracy on the training subset:(:.3f)',format(forest.score(X\_train,y\_train)))

print('Accuracy on the training subset:(:.3f)',format(forest.score(X\_test,y\_test)))

Output

Accuracy on the training subset:(:.3f) 1.0

Accuracy on the training subset:(:.3f) 0.965034965034965

CONOCER LOS FEATURES MAS IMPORTANTES

n\_features = cancer.data.shape[1]

plt.barh(range(n\_features),MODELO.feature\_importances\_, align='center')

plt.yticks(np.arange(n\_features),cancer.feature\_names)

plt.xlabel('Feature Importance')

plt.ylabel('Feature')

plt.show()

