import numpy as np

import pandas as pd

cali = 'F:/MachineLearningJeferson/TablaEstadisticasML/fase2.csv'

df = pd.read\_csv(cali)

df.head()

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df.tail()

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# Preparar la data para bosques aleatorios

df.info()

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df.describe()

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X\_bar = df.iloc[:, [3,4,5,6,7,8,9,10,11,12,13]]

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

Y\_bar = df.iloc[:, 14]

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X\_train, X\_test, Y\_train, Y\_test = train\_test\_split(X\_bar, Y\_bar, test\_size = 0.5)

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From sklearn.ensemble import RandomForestRegressor

Bar = RandomForestRegressor(n\_estimators = 50, max\_depth = 8

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# Entrenamiento del modelo

bar.fit(X\_train, Y\_train)

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# Realizar una predicción

Y\_pred = bar.predict(X\_test)

print(Y\_test)

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print(Y\_pred)

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print('Datos del modelo Bosques Aleatorios Regresion:')

print()

print('Precisión del modelo:')

print(bar.score(X\_train, Y\_train))