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The Tay Project Py - C-Ubers (4del AppObata (accel Programs Python Python 13 Apa project py (3.13.0)"

Legoci pandas as pd

from sklears ensemble import Random Prosevilassifier

from sklears model selection import train test split

from sklears model selection import train test

8 Load structured sensor data

def load sensor data (path's ensor data.csv'):

df = pd.read_csv(path)

return df

def train model()

df = load sensor data()

X - sd.drop('fsliure', axis=1)

y = df('fsliure')

X train, X test, y train, y test = train_test_split(X, y, test_size=0.2)

model = RandomSrorestClassifier()

model.If(X reain, y train)

print('Model Performance:\n'r, classification_report(y_test, model.predict(X_test)))

return model

if _name = = _main _":

train_model()
```

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