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import pandas as pd

import numpy as np

from sklearn.model_selection import train_test_split

from sklearn.linear_model import LinearRegression


url=https://archive.ics.uci.edu/ml/machine-learning
databases/nursery/nursery.datanames=['parents','has_nurs','form','children','housing','finance','soc
al','health','class']dataset=pd.read_csv(url,names=names)


X=dataset.drop('class',axis=1)

y=dataset['class']

X=pd.get_dummies(X)


X_train,X_test,y_train,y_test=train_test_split(X,y,test_size=0.2,random_state=42)

model=LinearRegression()

model.fit(X_train,y_train)


print("Intercept:",model.intercept_)

print("Coefficients:",model.coef_)


Y_pred=model.predict(X_test)


mse=np.mean((y_test-y_pred)**2)

print("MSE:",mse)

```