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# 1.) Importing the neccessary files.  
import pandas as pd  
from sklearn.linear_model import LinearRegression
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# 2.) Loading the dataset.  
df = pd.read_csv("/content/cleaned_student_data.csv")
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# 3.) Converting the categoricals to numericals.  
for col in df.columns:  
    if df[col].dtype == 'object':  
        df[col] = df[col].astype('category').cat.codes
```

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# 4.) Features & targets.  
X = df.iloc[:, :-1]  
y = df.iloc[:, -1]
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# 5.) Training the model.
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model = LinearRegression()  
model.fit(X, y)
```

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.....  
▼ LinearRegression ⓘ ⓘ  
LinearRegression()
```

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# 6.) Predictions and model evaluation.  
predictions = model.predict(X)  
  
print("◆ Sample Predictions:")  
print(predictions[:10])  
  
print("This AI model predicts student performance based on study patterns.")  
print("It can help students improve academic outcomes using data-driven insights.")  
  
print("This project can be deployed on Microsoft Azure using Azure Machine Learning")  
print("to create an online student performance prediction system.")
```

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◆ Sample Predictions:  
[2.16048131 1.89271024 5.05983492 3.05484845 3.81824893 1.84887363  
 2.32902108 3.81932905 2.1343752 1.42199456]  
This AI model predicts student performance based on study patterns.  
It can help students improve academic outcomes using data-driven insights.  
This project can be deployed on Microsoft Azure using Azure Machine Learning  
to create an online student performance prediction system.
```