```python
import numpy as np
import pandas as pd
from sklearn.model_selection import train_test_split
from sklearn.linear_model import LinearRegression


data={'hourstudy':[2,3,4,5,6,7],'score':[60,67,71,75,80,87]}


df=pd.DataFrame(data)


df
```

	hourstudy	score
0	2	60
1	3	67
2	4	71
3	5	75
4	6	80
5	7	87

Next steps: **Generate code with df**   ◯ **View recommended plots**   **New interactive sheet**

```python
X=df[['hourstudy']]
y=df['score']


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)
```

    ▸ LinearRegression

```python
user_input=float(input('enter the hour of study'))
```

    enter the hour of study2

```python
predicted_score=model.predict([[user_input]])
```

    /usr/local/lib/python3.10/dist-packages/sklearn/base.py:465: UserWarning: X does not have valid feature names, but LinearRegression was
        warnings.warn(

```python
print(f"predicted_score:{predicted_score[0]:.2f}")
```

    predicted_score:59.70