

```

import pandas as pd
import numpy as np
from sklearn.linear_model import LinearRegression

dia=pd.read_excel("/output1.xlsx")
dia.head()

{"summary":{"\n  \"name\": \"dia\", \n  \"rows\": 104, \n  \"fields\": [\n    {\n      \"column\": \"Nu0ber\", \n      \"properties\": {\n        \"dtype\": \"number\", \n        \"std\": 30, \n        \"min\": 1, \n        \"max\": 104, \n        \"num_unique_values\": 104, \n        \"samples\": [\n          31, \n          66, \n          65\n        ], \n        \"semantic_type\": \"\", \n        \"description\": \"\" \n      }, \n      \"column\": \"Sex\", \n      \"properties\": {\n        \"dtype\": \"number\", \n        \"std\": 0, \n        \"min\": 0, \n        \"max\": 1, \n        \"num_unique_values\": 2, \n        \"samples\": [\n          1, \n          0\n        ], \n        \"semantic_type\": \"\", \n        \"description\": \"\" \n      }, \n      \"column\": \"%Red Pixel\", \n      \"properties\": {\n        \"dtype\": \"number\", \n        \"std\": 2.8162939069011492, \n        \"min\": 38.7968, \n        \"max\": 54.6478, \n        \"num_unique_values\": 103, \n        \"samples\": [\n          44.2572, \n          42.5892\n        ], \n        \"semantic_type\": \"\", \n        \"description\": \"\" \n      }, \n      \"column\": \"%Green pixel\", \n      \"properties\": {\n        \"dtype\": \"number\", \n        \"std\": 1.554275124666846, \n        \"min\": 25.1403, \n        \"max\": 32.3681, \n        \"num_unique_values\": 103, \n        \"samples\": [\n          29.6578, \n          31.5405\n        ], \n        \"semantic_type\": \"\", \n        \"description\": \"\" \n      }, \n      \"column\": \"%Blue pixel\", \n      \"properties\": {\n        \"dtype\": \"number\", \n        \"std\": 1.9846714900084665, \n        \"min\": 19.5413, \n        \"max\": 29.8414, \n        \"num_unique_values\": 103, \n        \"samples\": [\n          26.085, \n          25.8703\n        ], \n        \"semantic_type\": \"\", \n        \"description\": \"\" \n      }, \n      \"column\": \"Hb\", \n      \"properties\": {\n        \"dtype\": \"number\", \n        \"std\": 2.512956530220567, \n        \"min\": 2.8, \n        \"max\": 16.3, \n        \"num_unique_values\": 62, \n        \"samples\": [\n          11.1, \n          16.0\n        ], \n        \"semantic_type\": \"\", \n        \"description\": \"\" \n      }, \n      \"column\": \"Anaethic\", \n      \"properties\": {\n        \"dtype\": \"number\", \n        \"std\": 0, \n        \"min\": 5, \n        \"max\": 6, \n        \"num_unique_values\": 2, \n        \"samples\": [\n          6, \n          5\n        ], \n        \"semantic_type\": \"\", \n        \"description\": \"\" \n      } \n    ] \n  } \n}, \"type\": \"dataframe\", \"variable_name\": \"dia\"}

dia.isnull().sum()

```

```
Nu0ber      0
Sex          0
%Red Pixel  0
%Green pixel 0
%Blue pixel 0
Hb          0
Anae0ic     0
dtype: int64
```

```
ind = dia[['Sex', 'Hb']]
dep = dia['Anae0ic']
```

```
LR=LinearRegression()
```

```
LR.fit(ind,dep)
```

```
LinearRegression()
```

```
sex=int(input("Enter sex:"))
```

```
hb=int(input("Enter Hb: "))
```

```
pred=LR.predict([[sex,hb]])
```

```
print(pred)
```

```
Enter sex:0
```

```
Enter Hb: 78
```

```
[14.44686675]
```

```
/usr/local/lib/python3.10/dist-packages/sklearn/base.py:493:
```

```
UserWarning: X does not have valid feature names, but LinearRegression  
was fitted with feature names
```

```
warnings.warn(
```