

"""

Rank_predict_2016

VIT_rank(prediction 2016) = 61

VIT_rank(observed(real) 2016) = 63

"""

C:/Users/shubham b thorat/ML_VIT/ML_VIT - Spyder (Python 3.6)

File Edit Search Source Run Debug Consoles Projects Tools View Help

Editor - C:/Users/shubham b thorat/ML_VIT/ML_VIT/rank_oredict_2016.py

Project explorer

- ML_VIT
 - college_ranking.csv
 - data_preprocessing_1
 - Indian_college_rankin
 - Indian_college_rankin
 - Indian_college_rankin
 - Indian_college_rankin
 - indian_unver.py
 - my_data_structure.csv
 - Rain_prediction.csv
 - rank_oredict_2016.py
 - rank_oredict_2017.py
 - rank_predict_2018.py
 - test_0.py
 - test_1.py
 - test_2.py
 - tets_1.py
 - university_ranking.csv
 - VIT_data.csv

```
1 # -*- coding: utf-8 -*-
2 """
3 Created on Wed Jul 4 22:45:21 2018
4
5 @author: shubham b thorat
6 college rank prediction 2017
7 """
8 #importing libraries
9 import numpy as np
10 import pandas as pd
11 import matplotlib.pyplot as plt
12
13 #importing dataset
14 dataset = pd.read_csv("Indian_college_ranking_2016.csv")
15 dataset2 = pd.read_csv("VIT_data.csv")
16
17 X = dataset.iloc[:, :-1].values
18 Y = dataset.iloc[:, 5].values
19 X_VIT = dataset2.iloc[:, :].values
20
21 #splitting the dataset into training and testing dataset
22 from sklearn.model_selection import train_test_split
23 X_train, X_test, Y_train, Y_test = train_test_split(X, Y, test_size = .3, random_state
24
25 from sklearn.preprocessing import PolynomialFeatures
26 regressor = PolynomialFeatures(degree=4)
27 X_poly = regressor.fit_transform(X)
28
29 from sklearn.linear_model import LinearRegression
30 m_reg = LinearRegression()
31 m_reg.fit(X_poly, Y)
32
33 Y_pred = m_reg.predict(regressor.fit_transform(X_test))
34 Y_VIT = m_reg.predict(regressor.fit_transform(X_VIT))
```

Variable explorer

| Name | Type | Size | Value |
|----------|-----------|----------|---|
| Y | int64 | (100,) | [62.02 4.12 48.34 60.6 ...] |
| Y_pred | float64 | (30,) | [81. 85. 34. ..., 28. 47. 39.] |
| Y_test | int64 | (30,) | [81 85 34 ..., 28 47 39] |
| Y_train | int64 | (70,) | [68 100 55 ..., 73 13 38] |
| dataset | DataFrame | (100, 6) | Column names: TLR (100), RPC (100), GO (100), OI (100), PERCEPTION (10 ...) |
| dataset2 | DataFrame | (1, 5) | Column names: TLR (100), RPC (100), GO (100), OI (100), PERCEPTION (10 ...) |

Python console

Console 1/A

```
AttributeError: 'LinearRegression' object has no attribute 'fit_transform'

In [49]:
In [49]: runfile('C:/Users/shubham b thorat/ML_VIT/ML_VIT/
rank_predict_2018.py', wdir='C:/Users/shubham b thorat/ML_VIT/ML_VIT')
In [50]: runfile('C:/Users/shubham b thorat/ML_VIT/ML_VIT/
rank_predict_2018.py', wdir='C:/Users/shubham b thorat/ML_VIT/ML_VIT')
In [51]: runfile('C:/Users/shubham b thorat/ML_VIT/ML_VIT/
rank_predict_2018.py', wdir='C:/Users/shubham b thorat/ML_VIT/ML_VIT')
In [52]: runfile('C:/Users/shubham b thorat/ML_VIT/ML_VIT/
rank_oredict_2016.py', wdir='C:/Users/shubham b thorat/ML_VIT/ML_VIT')
In [53]: runfile('C:/Users/shubham b thorat/ML_VIT/ML_VIT/
rank_oredict_2017.py', wdir='C:/Users/shubham b thorat/ML_VIT/ML_VIT')
In [54]: runfile('C:/Users/shubham b thorat/ML_VIT/ML_VIT/
rank_oredict_2017.py', wdir='C:/Users/shubham b thorat/ML_VIT/ML_VIT')
In [55]:
```

Permissions: RW End-of-lines: CRLF Encoding: UTF-8 Line: 17 Column: 31 Memory: 54 %

Type here to search

ENG 12:26 AM 7/5/2018

The screenshot shows a Jupyter Notebook environment with two NumPy array visualizations. The left window, titled 'Y_test - NumPy array', displays a 22x1 array of values ranging from 0 to 94. The right window, titled 'Y_pred - NumPy array', displays a 22x1 array of values ranging from 0 to 94. Both arrays are visualized with a color gradient from blue (low values) to red (high values). The Jupyter Notebook interface includes a file explorer on the left, a code editor in the center, and a console on the right.