Assignment 3 - Linear Models for Regression

Performance

Score	R^2	RSS
0.34	-0.85	129.63
0.26	-1.08	137.73
0.32	-1.43	153.93
0.42	-0.88	121.24
0.32	-1.33	123.10
0.32	-0.67	118.29
0.32	-0.97	125.83
0.39	-0.76	130.34
0.28	-1.41	148.81
0.26	-0.99	122.74

Model Coefficients

The best score obtained was 0.42. The following table shows the coefficients for this score.

Coefficients
6.50531000e-02
-1.11018396e+00
6.14727668e-02

3.51848232e-02
-1.22530107e+00
6.09497513e-03
-2.73913528e-03
-5.47210433e+01
3.37156135e-01
8.19268455e-01
2.59042970e-01

Collaboration and Online Sources

Github used for online collaboration.

Specifications

Python version: 3.8.6
Libraries used: sys,pandas,scikit-learn