Linear Regression

`train_test_split(X, y, test_size=0.2, random_state=42)`	Coefficient: [-2.75440897e-08]	Intercept: 57.18908890792791	Mean Squared Error 409.330473	R2 Score 0.0274
`(X, y, test_size=0.1, random_state=42)`	Coefficient: [-2.80145802e-08]	Intercept: 57.7751055518053	Mean Squared Error 402.637788	R2 Score 0.020167
`(X, y, test_size=0.01, random_state=42)`	Coefficient: [-2.76803683e-08]	Intercept: 57.28729338181168	Mean Squared Error 279.623119	R2 Score 0.027401
`(X, y, test_size=0.001, random_state=42)`	Coefficient: [-2.76692715e-08]	Intercept: 57.277807544292685	Mean Squared Error 151.705	R2 Score -0.185571

Random Forest

`(X, y, test_size=0.2, random_state=42)`	Mean Squared Error: 104.97282375965749	The shape of our features is: (16122, 189)
`(X, y, test_size=0.1, random_state=42)`	Mean Squared Error: 95.38890199233718	The shape of our features is: (16122, 189)
`(X, y, test_size=0.3, random_state=42)`	Mean Squared Error: 128.6647993986178	The shape of our features is: (16122, 189)

Decision Tree:

	Start_Date	Data Value	Predicted Value
5066	1.259626e+09	40.590000	15.237109
1358	1.104538e+09	2.000000	32.255524
11511	1.325462e+09	17.978041	42.006580
15981	1.575158e+09	5.950000	16.167027
4010	1.306886e+09	17.160000	21.028295
...	...	...	...

11400 1.480550e+09   11.050000   17.135385

15160 1.590970e+09   13.150000   16.680303

7779   1.275350e+09   31.310000   21.499394

14119 1.420070e+09   7.500000   26.338889

6624   1.385856e+09   2.900000   14.569895

[3225 rows x 3 columns]

Rezultati 2:

	Start_Date	Data Value	Predicted Value
5066	1.259626e+09	40.590000	15.044809
1358	1.104538e+09	2.000000	32.807587
11511	1.325462e+09	17.978041	41.562675
15981	1.575158e+09	5.950000	16.404745
4010	1.306886e+09	17.160000	21.228359
...	...	...	...
2698	1.354320e+09	18.710000	13.756887
15696	1.590970e+09	7.950000	16.393895
3290	1.370045e+09	10.460000	19.384327
7764	1.370045e+09	29.070000	19.384327
10251	1.448928e+09	8.070000	10.665038

[1613 rows x 3 columns]