

O3 Tahmin Model Karşılaştırma Tablosu

		Model	Train MAE	Test MAE	Train RMSE	Test RMSE	MAPE (Test)	Median AE (Test)	Train R²	Test R²	Max Error
Random Forest	Default	XGBoost (Default)	5.86	8.63	7.81	11.46	1.78e+17%	6.7	0.8933	0.7768	65.29
		XGBoost (Optimize)	2.59	7.17	3.7	9.72	1.20e+17%	5.41	0.976	0.8396	58.88
	Optimized	Random Forest (Default)	3.18	8.76	4.29	11.71	1.66e+17%	6.64	0.9678	0.7668	56.02
		Random Forest (Optimize)	8.96	10.73	11.48	13.74	2.52e+17%	9.06	0.7696	0.6789	69.82
	LightGBM	LightGBM (Default)	8.52	9.52	11.0	12.42	2.09e+17%	7.66	0.7883	0.7379	73.96
		LightGBM (Optimize)	3.83	7.29	5.15	9.8	1.28e+17%	5.55	0.9537	0.8367	65.35
	CatBoost	CatBoost (Default)	6.95	8.36	9.18	11.08	1.78e+17%	6.6	0.8527	0.7914	65.84
		CatBoost (Optimize)	3.88	6.87	5.22	9.28	1.26e+17%	5.25	0.9523	0.8536	53.63