

Imputacijos Rezultato Ataskaita

Pagrindinė informacija

Parametras	Reikšmė
Rezultato ID	3cc3929f-8130-4562-9b7c-3f7e60a6112d
Originalus failas	Gretos_8_ekonominiai_rodikliai.csv
Imputuotas failas	Gretos_8_ekonominiai_rodikliai_imputed_random_forest_20251024_224022_
Modelio tipas	Random Forest
N Estimators	100
Random State	42
Trūkstamų pradžioje	52,391
Trūkstamų po apdorojimo	0
Apdoroti stulpeliai	8
Sukūrimo data	2025-10-24 22:40:27
Max Depth	15

Modelio metrikos

Stulpelis	RMSE	R ²	MAPE (%)	MAE	Imties dydis
population_density	351.1051	0.8535	181.34	155.5957	1401
hospital_beds	31.9539	0.8947	9.62	20.5582	704
at_risk_of_poverty	2.6811	0.8719	12.42	1.8268	872
low_work_intensity	2.2585	0.7807	21.71	1.6528	424
gdp_current_prices	4120.3227	0.9183	12.38	2565.8892	1136
rd_expenditure	1.8359	0.3523	35.37	0.4128	423
internet_access	3.2076	0.8928	2.96	2.3919	425
tertiary_education	3.2501	0.9058	8.11	2.2684	746

Požymių svarba

Užpildant stulpelį: population_density

Požymis	Svarba
geo	0.4792
hospital_beds	0.1584
gdp_current_prices	0.1421
low_work_intensity	0.0506
tertiary_education	0.0481
at_risk_of_poverty	0.0465
time_period	0.0301
rd_expenditure	0.0244
internet_access	0.0208

Užpildant stulpelį: hospital_beds

Požymis	Svarba
geo	0.3318
gdp_current_prices	0.1998
population_density	0.1415
low_work_intensity	0.0876
tertiary_education	0.0620
rd_expenditure	0.0510
at_risk_of_poverty	0.0475
time_period	0.0403
internet_access	0.0385

Užpildant stulpelį: at_risk_of_poverty

Požymis	Svarba
low_work_intensity	0.2199
population_density	0.2039
gdp_current_prices	0.1625
hospital_beds	0.1480
geo	0.0951
tertiary_education	0.0843
rd_expenditure	0.0299
internet_access	0.0286
time_period	0.0278

Užpildant stulpelį: low_work_intensity

Požymis	Svarba
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at_risk_of_poverty	0.3749
geo	0.1577
hospital_beds	0.1123
gdp_current_prices	0.0918
population_density	0.0849
time_period	0.0644
tertiary_education	0.0436
internet_access	0.0387
rd_expenditure	0.0317

Užpildant stulpelį: gdp_current_prices

Požymis	Svarba
at_risk_of_poverty	0.2303
population_density	0.1676
geo	0.1515
tertiary_education	0.1331
hospital_beds	0.1109
internet_access	0.0621
low_work_intensity	0.0619
rd_expenditure	0.0415
time_period	0.0412

Užpildant stulpelį: rd_expenditure

Požymis	Svarba
gdp_current_prices	0.2453
geo	0.2073
hospital_beds	0.1311
population_density	0.1304
at_risk_of_poverty	0.1081
tertiary_education	0.0639
low_work_intensity	0.0521
time_period	0.0422
internet_access	0.0197

Užpildant stulpelį: internet_access

Požymis	Svarba
time_period	0.2676
gdp_current_prices	0.2216
tertiary_education	0.1609
rd_expenditure	0.0944
at_risk_of_poverty	0.0648

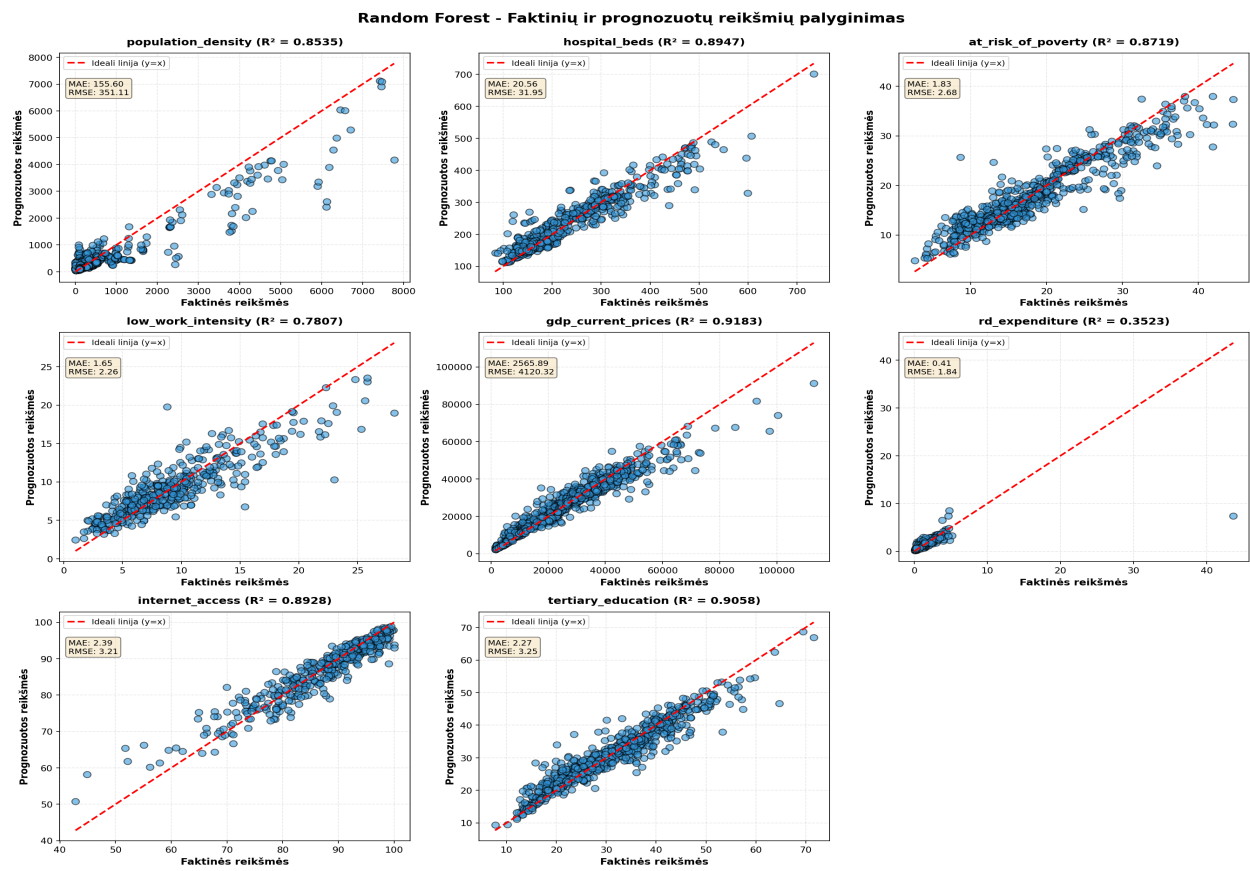
hospital_beds	0.0563
geo	0.0514
low_work_intensity	0.0488
population_density	0.0342

Užpildant stulpelį: tertiary_education

Požymis	Svarba
gdp_current_prices	0.1891
population_density	0.1850
geo	0.1595
internet_access	0.1460
rd_expenditure	0.1165
at_risk_of_poverty	0.0837
hospital_beds	0.0685
low_work_intensity	0.0348
time_period	0.0170

Grafinė analizė

Faktinių ir prognozuotų reikšmių palyginimas

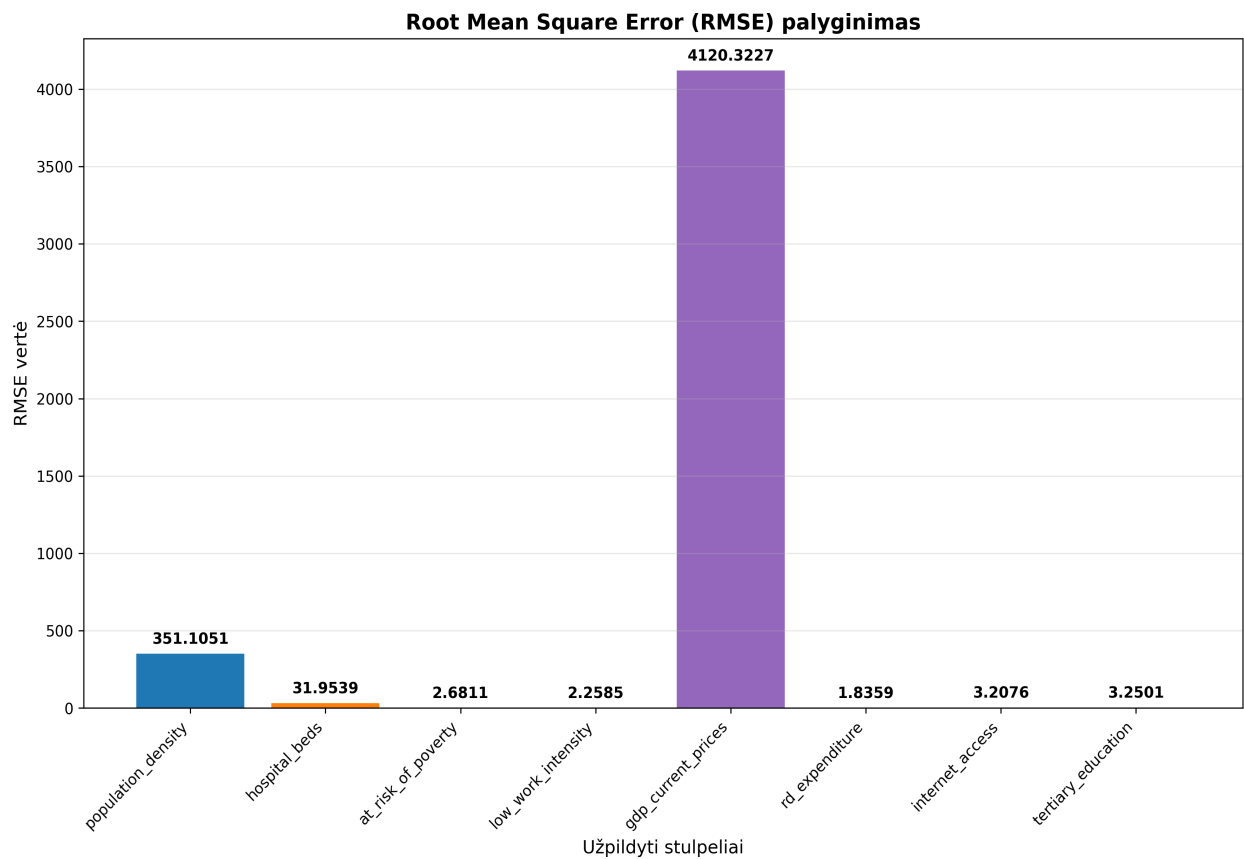


Modelių efektyvumo lentelė

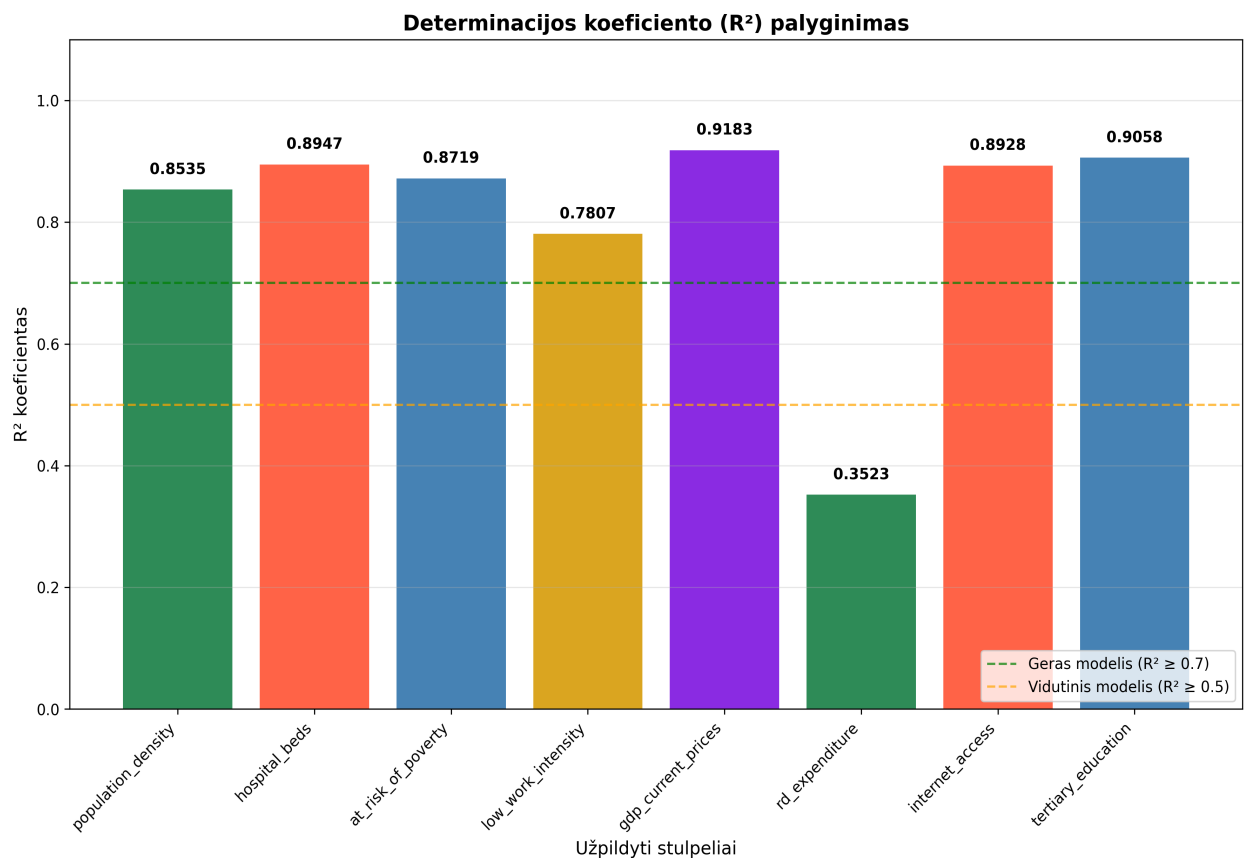
Modelių efektyvumo vertinimo metrikos

Stulpelis	RMSE	R ²	MAPE (%)	MAE	Imties dydis
population_density	351.1051	0.8535	181.34	155.5957	1401
hospital_beds	31.9539	0.8947	9.62	20.5582	704
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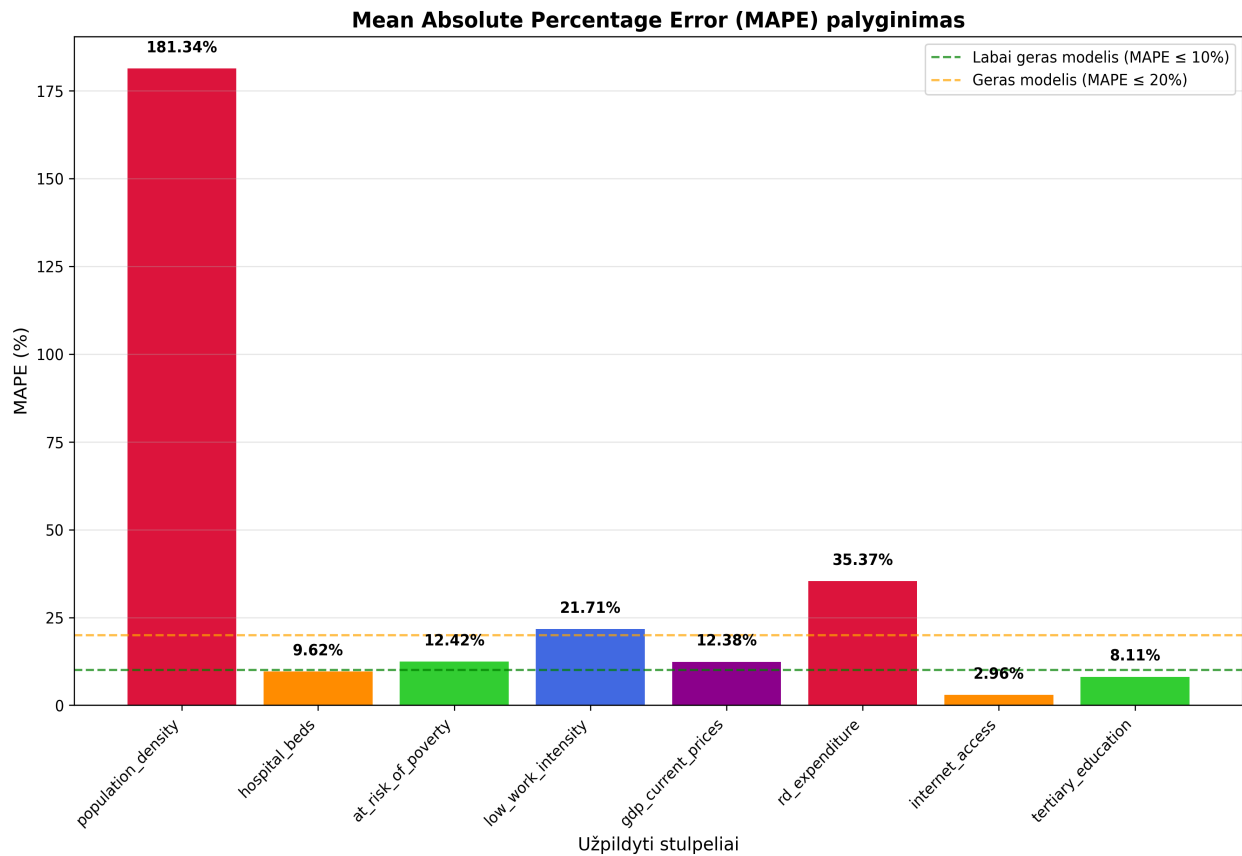
RMSE palyginimas



R² palyginimas



MAPE palyginimas



Bendrasis modelių palyginimas

