

MI Result Result #100 — Analysis Report

Generated 2026-09-21 02:36:00 · 1 run(s) · CAT-G Data Analyzer

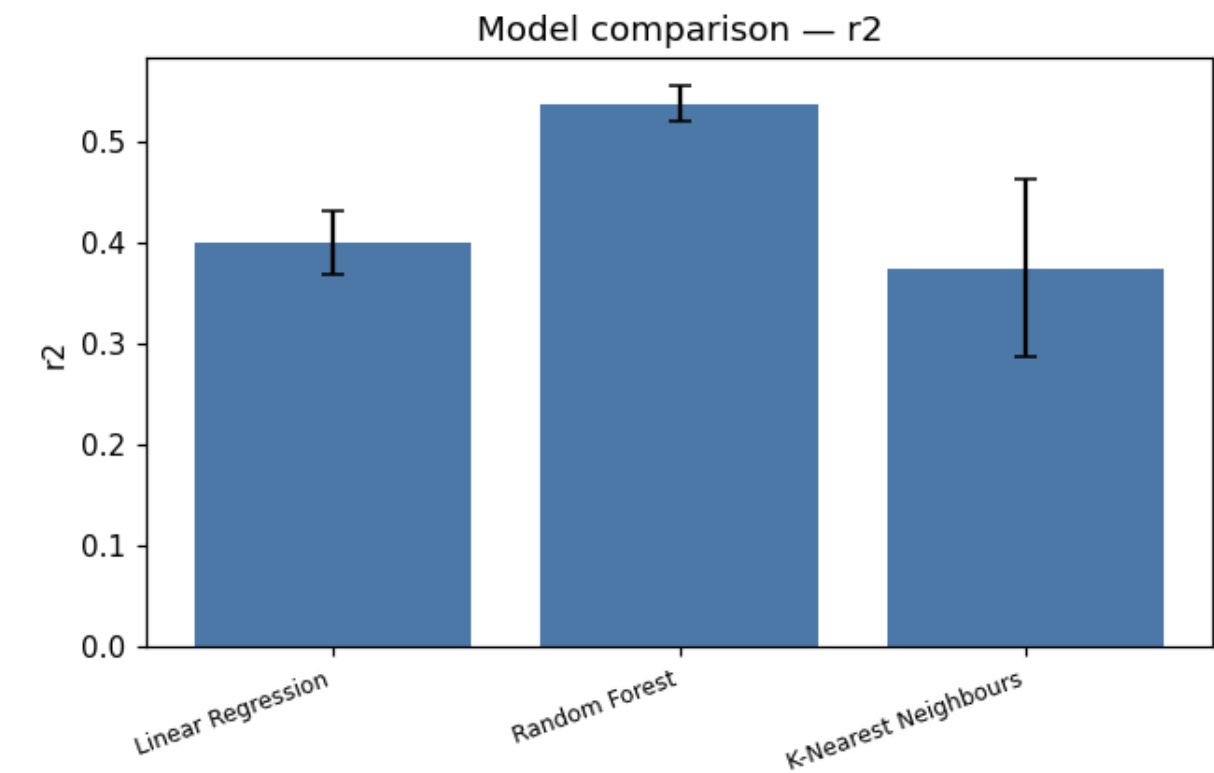
1. model comparison (#100)

2026-09-21 02:12:18 · ml_result · status: completed

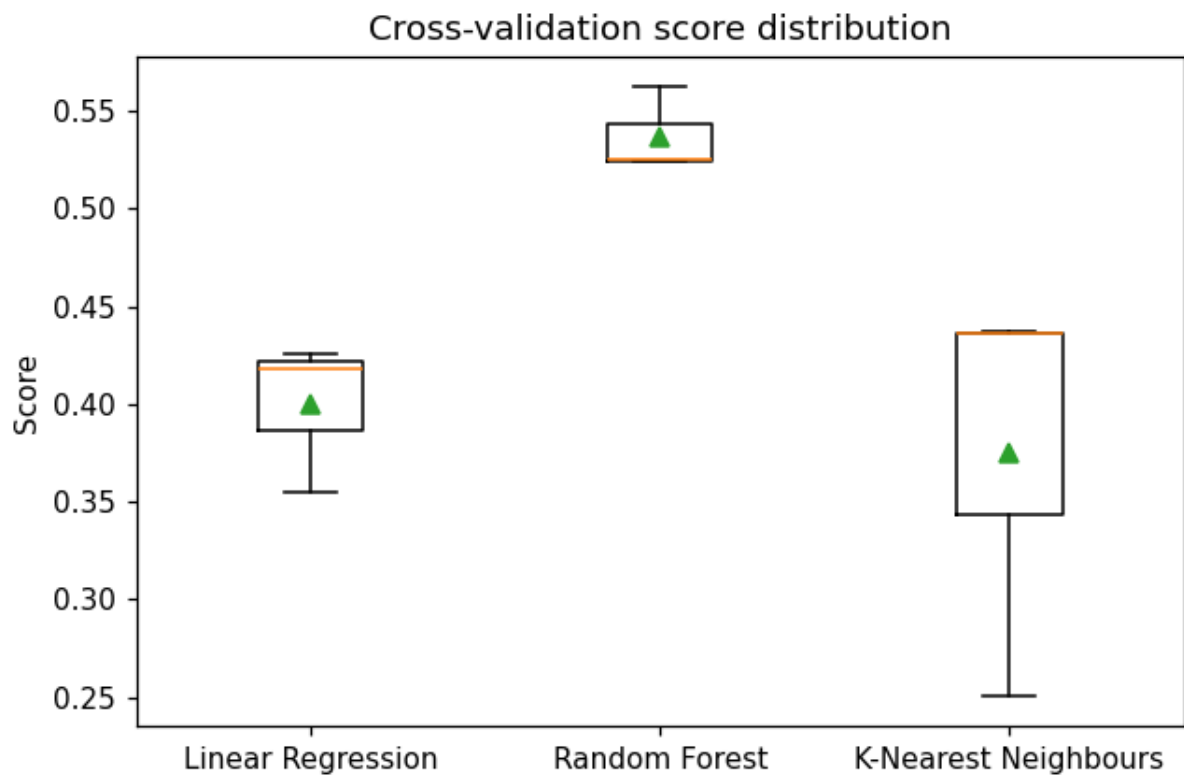
Random Forest scored highest under cross-validation ($r^2 = 0.537$).

model metrics

Model	Metric	r2 mean	mse mean
Linear Regression	r2	0.399377	52.450519
Random Forest	r2	0.536964	40.236422
K-Nearest Neighbours	r2	0.374541	53.689833



metric bars



cv boxplot

Method & Provenance

method	Model Comparison
engine	Python · scikit-learn 1.8.0
datasets	gallery — cat_g_field_data_plots.csv
started	2026-09-21 02:12:18.862020
permanent link	https://cat-g-omxpert.wishartlab.com/results/by-token/c53fa74c83ff4edc88d28c8b5ac82

Parameter	Value
task_type	regression
model_type	model_comparison
target_column	PC_SHOOTMASS
n_splits	3

Command history

```
# python
# task_type = 'regression'

# python
# Models compared via app.services.ml_model_registry

# python
scores = sklearn.model_selection.cross_val_score(model, X, y, cv=3)
```