| | Model | Cross-Validation | | Metrics | | | | | Time | Parameters |
|---|---|---|---|---|---|---|---|---|---|---|
| index | Model | cv_mean_r2 | cv_std_r2 | accuracy | R2 | MSE | RMSE | MAE | training_time | best_params |
| 0 | LinearRegression | 0.897 | 0.0 | 0.904 | 0.904 | 0.064 | 0.253 | 0.202 | 1.603 | |
| 1 | Ridge | 0.897 | 0.0 | 0.904 | 0.904 | 0.064 | 0.253 | 0.202 | 0.649 | regressor__alpha: 1.2 |
| 2 | BayesianRidge | 0.897 | 0.0 | 0.904 | 0.904 | 0.064 | 0.253 | 0.202 | 0.119 | regressor__tol: 0.0001<br>regressor__max_iter: 500<br>regressor__lambda_2: 1e-08<br>regressor__lambda_1: 0.0001<br>regressor__alpha_2: 1e-05<br>regressor__alpha_1: 0.0001 |
| 3 | HuberRegressor | 0.897 | 0.0 | 0.904 | 0.904 | 0.064 | 0.253 | 0.202 | 3.074 | regressor__tol: 1e-06<br>regressor__max_iter: 450<br>regressor__epsilon: 1.6<br>regressor__alpha: 0.6 |
| 4 | RandomForestRegressor | 0.824 | 0.007 | 0.835 | 0.835 | 0.11 | 0.332 | 0.265 | 29.642 | regressor__n_estimators: 100<br>regressor__min_samples_split: 2<br>regressor__min_samples_leaf: 1<br>regressor__max_depth: 25 |
| 5 | GradientBoostingRegressor | 0.866 | 0.017 | 0.888 | 0.888 | 0.075 | 0.273 | 0.218 | 30.456 | regressor__subsample: 0.6<br>regressor__n_estimators: 200<br>regressor__min_samples_split: 10<br>regressor__min_samples_leaf: 1<br>regressor__max_depth: 5<br>regressor__learning_rate: 0.05 |
| 6 | BaggingRegressor | 0.81 | 0.111 | 0.904 | 0.904 | 0.064 | 0.253 | 0.202 | 7.267 | regressor__n_estimators: 100<br>regressor__max_samples: 0.5<br>regressor__max_features: 1.0 |
| 7 | AdaBoostRegressor | 0.736 | 0.038 | 0.797 | 0.797 | 0.136 | 0.368 | 0.293 | 37.422 | regressor__n_estimators: 300<br>regressor__learning_rate: 0.3 |