

Modelos utilizados:

Entrenamiento realizado con:

- ExtraTreesRegressor
- HistGradientBoostRegressor
- XGBoostRegressor
- H2O

Grid Search con:

- Random Forest
- BaggingRegressor
- AdaBoostRegressor
- LinearRegression
- Ridge
- Lasso
- RidgeCV
- ElasticNet
- KNeighborsRegressor



```
In [17]: automl = H2OAutoML(max_models=50, seed=1,max_runtime_secs=1800, sort_metric='MSE')
automl.train(x, y, training_frame=h2train)

AutoML progress: | 100%

In [18]: leader_board2 = automl.leaderboard
leader_board2.head()
```

	model_id	mse	mean_residual_deviance	rmse	mae	rmsle
StackedEnsemble_BestOfFamily_AutoML_20201206_124435		0.007469	0.007469	0.0864234	0.0618919	0.00982079
GBM_4_AutoML_20201206_124435		0.0074781	0.0074781	0.086476	0.0619432	0.00982717
StackedEnsemble_AllModels_AutoML_20201206_124435		0.00757279	0.00757279	0.0870218	0.0624404	0.00989835
GBM_3_AutoML_20201206_124435		0.00763048	0.00763048	0.0873526	0.062684	0.00994246
GBM_grid_1_AutoML_20201206_124435_model_11		0.0076804	0.0076804	0.0876379	0.0625273	0.0099649
GBM_1_AutoML_20201206_124435		0.00768824	0.00768824	0.0876826	0.0634458	0.00997508
GBM_2_AutoML_20201206_124435		0.00776655	0.00776655	0.088128	0.0633481	0.0100318
GBM_5_AutoML_20201206_124435		0.0078127	0.0078127	0.0883895	0.062869	0.0100527
GBM_grid_1_AutoML_20201206_124435_model_12		0.00787347	0.00787347	0.0887326	0.0635269	0.0100987
GBM_grid_1_AutoML_20201206_124435_model_9		0.00797157	0.00797157	0.0892836	0.0636904	0.010164

```
Out[18]:

In [19]: predictions = automl.leader.predict(h2pred)
predictions.head()
```

stackedensemble prediction progress: | 100%

MEJOR PREDICCIÓN:

predict

6.85198
6.90456
8.24281
6.73357
7.75773
8.51846
6.4416
8.45636
7.81635
7.57208

THE DIAMOND KAGGLE

competition

Mejores submissions:

Submission and Description	Private Score	Public Score	Use for Final Score
subm_9.csv 4 hours ago by AnaMurillo96 add submission details	0.00761	0.00772	<input type="checkbox"/>
pred6.csv 4 hours ago by AnaMurillo96 add submission details	0.01907	0.01839	<input type="checkbox"/>
subm_13.csv 11 hours ago by AnaMurillo96 add submission details	0.00757	0.00759	<input checked="" type="checkbox"/>
subm_12.csv 12 hours ago by AnaMurillo96 add submission details	0.00751	0.00770	<input checked="" type="checkbox"/>
subm_8.csv a day ago by AnaMurillo96 add submission details	0.00753	0.00753	<input checked="" type="checkbox"/>