AmesLinearModels

Assistance

	Routine	Description
	`importFiles`	Import file(s) into H_2O
	`importSqlTable`	Import SQL table into H_2O
	`getFrames`	Get a list of frames in H_2O
	`splitFrame`	Split a frame into two or more frames
	`mergeFrames`	Merge two frames into one
	`getModels`	Get a list of models in H_2O
	`getGrids`	Get a list of grid search results in H_2O
	`getPredictions`	Get a list of predictions in H_2O
	`getJobs`	Get a list of jobs running in H_2O
	`runAutoML`	Automatically train and tune many models
	`buildModel`	Build a model
	`importModel`	Import a saved model
	`predict`	Make a prediction

Import Files

Search: /home/sato/Desktop/Ames/H2oFlow/train.csv

Search Results: (All files added)

Selected Files: 1 file selected: Clear All

✕ /home/sato/Desktop/Ames/H2oFlow/train.csv

Actions: Import

1 / 1 files imported.

Files /home/sato/Desktop/Ames/H2oFlow/train.csv

Actions Parse these files...

Setup Parse

PARSE CONFIGURATION

Sources nfs://home/sato/Desktop/Ames/H2oFlow/train.csv

ID train.hex

Parser CSV

Separator ,: '044'

Column Headers Auto / First row contains column names / First row contains data

Options Enable single quotes as a field quotation character / Delete on done

EDIT COLUMN NAMES AND TYPES

Search by column name...

1	LotFrontage	Numeric	-0.0518096796424063	0.570487760272347	0.0832634294826105	-0.291196770182661	0.716
2	LotArea	Numeric	-0.0778773291956158	0.190259941755559	0.523564507451361	0.17928624407868	1.021

3	YearBuilt	Numeric	1.04607836558577	0.154737490652949	0.98005311559075	-1.85903263419529	0.947(
4	MasVnrArea	Numeric	1.22246022284227	-0.793325290666826	1.15017497762078	-0.793325290666826	1.442(
5	BsmtFinSF2	Numeric	-0.362503310368561	-0.362503310368561	-0.362503310368561	-0.362503310368561	-0.362
6	BsmtUnfSF	Numeric	-0.3252127614345	0.0145883378473003	0.240792854875087	0.357449717806527	0.3055
7	X1stFlrSF	Numeric	-0.781374035846745	0.43723254456605	-0.555058934777369	-0.418197897919521	0.1317
8	X2ndFlrSF	Numeric	1.19667047343491	-0.86346176331678	1.20092357336847	1.15952145066452	1.2605
9	LowQualFinS	Numeric	-0.116912359625568	-0.116912359625568	-0.116912359625568	-0.116912359625568	-0.116
10	GrLivArea	Numeric	0.577737288088703	-0.368660529155416	0.713219115239534	0.590464992067988	1.3599
11	BsmtFullBat	Numeric	1.08714781758737	-0.818788806759497	1.08714781758737	1.08714781758737	1.0871
12	BsmtHalfBat	Numeric	-0.251501295144843	3.88819026609115	-0.251501295144843	-0.251501295144843	-0.251
13	FullBath	Numeric	0.781231961533791	0.781231961533791	0.781231961533791	-1.02718682967726	0.7812
14	HalfBath	Numeric	1.23238772066244	-0.756191470389888	1.23238772066244	-0.756191470389888	1.2323
15	BedroomAbvG	Numeric	0.169897979034312	0.169897979034312	0.169897979034312	0.169897979034312	1.3854

← Previous page → Next page

Parse

Job

Run Time 00:00:00.465
Remaining Time 00:00:00.0
Type Frame
Key train.hex
Description Parse
Status DONE
Progress 100%
Done.
Actions View

train.hex

Actions: View Data | Split... | Build Model... | Predict | Download | Export | Delete

Rows	*Columns*	*Compressed Size*
1460	164	626KB

COLUMN SUMMARIES

label	*type*	*Missing*	*Zeros*	*+Inf*	*-Inf*	*min*	*max*	*mean*	*sigma*	*cardinality*	*Actions*
LotFrontage	real	0	0	0	0	-3.3901	4.6877	0.0293	0.9840		· ·
LotArea	real	0	0	0	0	-4.0104	2.8877	0.0201	0.9809		· ·
YearBuilt	real	0	0	0	0	-3.2786	1.2772	-0.0015	0.9971		· ·
MasVnrArea	real	0	0	0	0	-0.7933	2.0219	0.0157	1.0030		· ·
BsmtFinSF2	real	0	0	0	0	-0.3625	3.5216	-0.0136	0.9822		· ·
BsmtUnfSF	real	0	0	0	0	-3.0092	1.1402	0.0124	0.9918		· ·
X1stFlrSF	real	0	0	0	0	-3.7330	3.0481	0.0126	0.9827		· ·
X2ndFlrSF	real	0	0	0	0	-0.8635	1.4659	0.0107	1.0050		· ·
LowQualFinSF	real	0	0	0	0	-0.1169	9.5133	0.0344	1.1333		· ·
GrLivArea	real	0	0	0	0	-4.5058	2.9208	0.0182	1.0203		· ·
BsmtFullBath	real	0	0	0	0	-0.8188	4.8990	-0.0081	0.9890		· ·
BsmtHalfBath	real	0	0	0	0	-0.2515	6.3098	-0.0157	0.9711		· ·
FullBath	real	0	0	0	0	-2.8356	2.5897	-0.0053	0.9963		· ·
HalfBath	real	0	0	0	0	-0.7562	3.2210	0.0052	1.0		· ·
BedroomAbvGr	real	0	0	0	0	-3.4767	6.2475	0.0076	0.9916		· ·
KitchenAbvGr	real	0	0	0	0	-8.0597	7.6587	0.0096	1.0122		· ·
TotRmsAbvGrd	real	0	0	0	0	-2.8365	4.8098	0.0422	1.0357		· ·
Fireplaces	real	0	0	0	0	-0.9242	3.7189	0.0246	0.9977		· ·
GarageCars	real	0	0	0	0	-2.3170	2.9310	0.0015	0.9805		· ·

label	type	Missing	Zeros	+Inf	-Inf	min	max	mean	sigma	cardinality	Actions
WoodDeckSF	real	0	0	0	0	-0.9450	1.6606	0.0029	1.0016		· ·

← Previous 20 Columns → Next 20 Columns

▸ CHUNK COMPRESSION SUMMARY

▸ FRAME DISTRIBUTION SUMMARY

Build a Model

Select an algorithm: Generalized Linear Modeling

PARAMETERS GRID?

model_id LInear_Regresion — Destination id for this model; auto-generated if not specified.

training_frame train.hex — Id of the training data frame.

validation_frame train.hex — Id of the validation data frame.

nfolds 0 — Number of folds for K-fold cross-validation (0 to disable or >= 2).

seed 12535 — Seed for pseudo random number generator (if applicable)

response_column SalePrice — Response variable column.

ignored_columns Search...

Showing page 1 of 2.

LotFrontage	REAL
LotArea	REAL
YearBuilt	REAL
MasVnrArea	REAL
BsmtFinSF2	REAL
BsmtUnfSF	REAL
X1stFlrSF	REAL
X2ndFlrSF	REAL
LowQualFinSF	REAL
	REAL

☑ All ☐ None ← Previous 100 → Next 100

Only show columns with more than 0 % missing values.

ignore_const_cols ☑ — Ignore constant columns.

family gaussian — Family. Use binomial for classification with logistic regression, others are for regression problems.

solver AUTO — AUTO will set the solver based on given data and the other parameters. IRLSM is fast on on problems with small number of predictors and for lambda-search with L1 penalty, L_BFGS scales better for datasets with many columns.

alpha 1 — Distribution of regularization between the L1 (Lasso) and L2 (Ridge) penalties. A value of 1 for alpha represents Lasso regression, a value of 0 produces Ridge regression, and anything in between specifies the amount of mixing between the two. Default value of alpha is 0 when SOLVER = 'L-BFGS'; 0.5 otherwise.

lambda 0 — Regularization strength

lambda_search	☐	Use lambda search starting at lambda max, given lambda is then interpreted as lambda min
standardize	☐	Standardize numeric columns to have zero mean and unit variance
non_negative	☐	Restrict coefficients (not intercept) to be non-negative
beta_constraints	(Choose...) ▾	Beta constraints
obj_reg	-1	Likelihood divider in objective value computation, default is 1/nobs

ADVANCED GRID?

fold_column	(Choose...) ▾	Column with cross-validation fold index assignment per observation.	☐
score_each_iteration	☐	Whether to score during each iteration of model training.	
offset_column	(Choose...) ▾	Offset column. This will be added to the combination of columns before applying the link function.	☐
weights_column	(Choose...) ▾	Column with observation weights. Giving some observation a weight of zero is equivalent to excluding it from the dataset; giving an observation a relative weight of 2 is equivalent to repeating that row twice. Negative weights are not allowed. Note: Weights are per-row observation weights and do not increase the size of the data frame. This is typically the number of times a row is repeated, but non-integer values are supported as well. During training, rows with higher weights matter more, due to the larger loss function pre-factor.	☐
compute_p_values	☐	Request p-values computation, p-values work only with IRLSM solver and no regularization	
remove_collinear_columns	☐	In case of linearly dependent columns, remove some of the dependent columns	
max_iterations	-1	Maximum number of iterations	
link	family_default ▾		
export_checkpoints_dir		Automatically export generated models to this directory.	
max_runtime_secs	0	Maximum allowed runtime in seconds for model training. Use 0 to disable.	☐
custom_metric_func		Reference to custom evaluation function, format: `language:keyName=funcName`	

EXPERT GRID?

missing_values_handling	MeanImputation ▾	Handling of missing values. Either MeanImputation or Skip.	☐
intercept	☑	Include constant term in the model	
objective_epsilon	-1	Converge if objective value changes less than this. Default indicates: If lambda_search is set to True the value of objective_epsilon is set to .0001. If the lambda_search is set to False and lambda is equal to zero, the value of objective_epsilon is set to .000001, for any other value of lambda the default value of objective_epsilon is set to .0001.	

beta_epsilon	0.0001	Converge if beta changes less (using L-infinity norm) than beta esilon, ONLY applies to IRLSM solver
gradient_epsilon	-1	Converge if objective changes less (using L-infinity norm) than this, ONLY applies to L-BFGS solver. Default indicates: If lambda_search is set to False and lambda is equal to zero, the default value of gradient_epsilon is equal to .000001, otherwise the default value is .0001. If lambda_search is set to True, the conditional values above are 1E-8 and 1E-6 respectively.
prior	-1	Prior probability for y==1. To be used only for logistic regression iff the data has been sampled and the mean of response does not reflect reality.
max_active_predictors	-1	Maximum number of active predictors during computation. Use as a stopping criterion to prevent expensive model building with many predictors. Default indicates: If the IRLSM solver is used, the value of max_active_predictors is set to 5000 otherwise it is set to 100000000.

interactions

Search...

Showing page 1 of 2.

☐ LotFrontage	REAL
☐ LotArea	REAL
☐ YearBuilt	REAL
☐ MasVnrArea	REAL
☐ BsmtFinSF2	REAL
☐ BsmtUnfSF	REAL
☐ X1stFlrSF	REAL
☐ X2ndFlrSF	REAL
☐ LowQualFinSF	REAL

☑ All ☐ None ← Previous 100 → Next 100

Only show columns with more than 0 % missing values.

interaction_pairs Choose... ↔ + A list of pairwise (first order) column interactions.

Build Model

Job

Run Time 00:00:00.319
Remaining Time 00:00:00.0
Type Model
Key LInear_Regresion
Description GLM
Status DONE
Progress 100%
Done.
Actions View

Model

Model ID: LInear_Regresion

Algorithm: Generalized Linear Modeling

Actions: Refresh | Predict... | Download POJO | Download Model Deployment Package (MOJO) | Export | Inspect | Delete | Download Gen Model

MODEL PARAMETERS

SCORING HISTORY

OUTPUT

COLUMN_TYPES

OUTPUT - GLM MODEL (SUMMARY)

family	gaussian
link	identity
regularization	None
number_of_predictors_total	163
number_of_active_predictors	163
number_of_iterations	1
training_frame	train.hex

OUTPUT - SCORING HISTORY

OUTPUT - TRAINING_METRICS

model	LInear_Regresion
model_checksum	-8139170380215322624
frame	train.hex
frame_checksum	2678409454704134662
description	·
model_category	Regression
scoring_time	1568224703308
predictions	·
MSE	0.010867
RMSE	0.104244
nobs	1460
custom_metric_name	·
custom_metric_value	0
r2	0.931849
mean_residual_deviance	0.010867
mae	0.072809
rmsle	0.008058
residual_deviance	15.865621
null_deviance	232.800671
AIC	-2128.873742
null_degrees_of_freedom	1459
residual_degrees_of_freedom	1296

OUTPUT - VALIDATION_METRICS

model	LInear_Regresion
model_checksum	-8139170380215322624
frame	train.hex
frame_checksum	2678409454704134662
description	·
model_category	Regression
scoring_time	1568224703331
predictions	·
MSE	0.010867
RMSE	0.104244
nobs	1460
custom_metric_name	·
custom_metric_value	0
r2	0.931849
mean_residual_deviance	0.010867
mae	0.072809
rmsle	0.008058
residual_deviance	15.865621
null_deviance	232.800671
AIC	-2128.873742
null_degrees_of_freedom	1459
residual_degrees_of_freedom	1296

▾ OUTPUT - COEFFICIENTS (GLM COEFFICIENTS)

names	*coefficients*
Intercept	10.1796
LotFrontage	-0.0017
LotArea	0.0392
YearBuilt	0.0350
MasVnrArea	-0.0083
BsmtFinSF2	-0.0089
BsmtUnfSF	-0.0131
X1stFlrSF	0.0449
X2ndFlrSF	0.0170
LowQualFinSF	-0.0017
GrLivArea	0.0849
BsmtFullBath	0.1286
BsmtHalfBath	0.0299
FullBath	0.1357
HalfBath	0.0685
BedroomAbvGr	-0.0048
KitchenAbvGr	-0.0133
TotRmsAbvGrd	0.0091
Fireplaces	0.0110
GarageCars	0.0339
WoodDeckSF	0.0078
OpenPorchSF	0.0001
EnclosedPorch	0.0014
X3SsnPorch	0.0013

▾ PREVIEW POJO

Preview POJO

Build a Model

Select an algorithm: Generalized Linear Modeling

PARAMETERS *GRID?*

model_id	Lasso_Regression	Destination id for this model; auto-generated if not specified.
training_frame	train.hex	Id of the training data frame.
validation_frame	train.hex	Id of the validation data frame.

nfolds	5	Number of folds for K-fold cross-validation (0 to disable or >= 2).
seed	12345	Seed for pseudo random number generator (if applicable)
response_column	SalePrice	Response variable column.
ignored_columns	Search...	

Showing page 1 of 2.

LotFrontage	REAL
LotArea	REAL
YearBuilt	REAL
MasVnrArea	REAL
BsmtFinSF2	REAL
BsmtUnfSF	REAL
X1stFlrSF	REAL
X2ndFlrSF	REAL
LowQualFinSF	REAL

All | None | Previous 100 | Next 100

Only show columns with more than 0 % missing values.

ignore_const_cols	☑	Ignore constant columns.
family	gaussian	Family. Use binomial for classification with logistic regression, others are for regression problems.
solver	AUTO	AUTO will set the solver based on given data and the other parameters. IRLSM is fast on on problems with small number of predictors and for lambda-search with L1 penalty, L_BFGS scales better for datasets with many columns.
alpha	1	Distribution of regularization between the L1 (Lasso) and L2 (Ridge) penalties. A value of 1 for alpha represents Lasso regression, a value of 0 produces Ridge regression, and anything in between specifies the amount of mixing between the two. Default value of alpha is 0 when SOLVER = 'L-BFGS'; 0.5 otherwise.
lambda	0.0001;0.0102;0.0203;0.0304;0.0405;0.0506;0.0607;0.0708;0.08	Regularization strength
lambda_search	☐	Use lambda search starting at lambda max, given lambda is then interpreted as lambda min
standardize	☑	Standardize numeric columns to have zero mean and unit variance
non_negative	☐	Restrict coefficients (not intercept) to be non-negative
beta_constraints	(Choose...)	Beta constraints
obj_reg	-1	Likelihood divider in objective value computation, default is 1/nobs

ADVANCED			GRID?
fold_assignment	AUTO	Cross-validation fold assignment scheme, if fold_column is not specified. The 'Stratified' option will stratify the folds based on the response variable, for classification problems.	☐
score_each_iteration	☐	Whether to score during each iteration of model training.	
offset_column	(Choose...)	Offset column. This will be added to the combination of columns before applying the link function.	☐
weights_column	(Choose...)	Column with observation weights. Giving some observation a weight of zero is equivalent to excluding it from the dataset; giving an observation a relative weight of 2 is equivalent to repeating that row twice. Negative weights are not allowed. Note: Weights are per-row observation weights and do not increase the size of the data frame. This is typically the number of times a row is repeated, but non-integer values are supported as well. During training, rows with higher weights matter more, due to the larger loss function pre-factor.	☐
compute_p_values	☐	Request p-values computation, p-values work only with IRLSM solver and no regularization	
remove_collinear_columns	☐	In case of linearly dependent columns, remove some of the dependent columns	
max_iterations	-1	Maximum number of iterations	
link	family_default		
export_checkpoints_dir		Automatically export generated models to this directory.	
max_runtime_secs	0	Maximum allowed runtime in seconds for model training. Use 0 to disable.	☐
custom_metric_func		Reference to custom evaluation function, format: `language:keyName=funcName`	

EXPERT			GRID?
keep_cross_validation_models	☑	Whether to keep the cross-validation models.	
keep_cross_validation_predictions	☐	Whether to keep the predictions of the cross-validation models.	
keep_cross_validation_fold_assignment	☐	Whether to keep the cross-validation fold assignment.	
missing_values_handling	MeanImputation	Handling of missing values. Either MeanImputation or Skip.	☐
intercept	☑	Include constant term in the model	

objective_epsilon	-1	Converge if objective value changes less than this. Default indicates: If lambda_search is set to True the value of objective_epsilon is set to .0001. If the lambda_search is set to False and lambda is equal to zero, the value of objective_epsilon is set to .000001, for any other value of lambda the default value of objective_epsilon is set to .0001.
beta_epsilon	0.0001	Converge if beta changes less (using L-infinity norm) than beta esilon, ONLY applies to IRLSM solver
gradient_epsilon	-1	Converge if objective changes less (using L-infinity norm) than this, ONLY applies to L-BFGS solver. Default indicates: If lambda_search is set to False and lambda is equal to zero, the default value of gradient_epsilon is equal to .000001, otherwise the default value is .0001. If lambda_search is set to True, the conditional values above are 1E-8 and 1E-6 respectively.
prior	-1	Prior probability for y==1. To be used only for logistic regression iff the data has been sampled and the mean of response does not reflect reality.
max_active_predictors	-1	Maximum number of active predictors during computation. Use as a stopping criterion to prevent expensive model building with many predictors. Default indicates: If the IRLSM solver is used, the value of max_active_predictors is set to 5000 otherwise it is set to 100000000.

interactions

Search...

Showing page 1 of 2.

☐ LotFrontage	REAL
☐ LotArea	REAL
☐ YearBuilt	REAL
☐ MasVnrArea	REAL
☐ BsmtFinSF2	REAL
☐ BsmtUnfSF	REAL
☐ X1stFlrSF	REAL
☐ X2ndFlrSF	REAL
☐ LowQualFinSF	REAL
☐ [illegible]	REAL

☑ All ☐ None ← Previous 100 → Next 100

Only show columns with more than 0 % missing values.

interaction_pairs Choose... ↔ + A list of pairwise (first order) column interactions.

GRID SETTINGS:

Grid ID Lasso_grid Destination id for this grid; auto-generated if not specified

Strategy Cartesian The default strategy 'Cartesian' covers the entire space of hyperparameter combinations. Specify the 'RandomDiscrete' strategy to get random search of all the combinations of your hyperparameters. RandomDiscrete should usually be combined with at least one early stopping criterion, max_models and/or max_runtime_secs.

Build Model

Job

Run Time 00:00:07.241
Remaining Time 00:00:00.0
Type Grid
Key Lasso_grid
Description GLM Grid Search
Status DONE
Progress 100%
Done.
Actions View

Grid Search

Inspect Grid Summary | Inspect Scoring History | Inspect Models | Delete selected

Key	Actions
Lasso_grid_model_1	Predict... Inspect
Lasso_grid_model_2	Predict... Inspect
Lasso_grid_model_3	Predict... Inspect
Lasso_grid_model_4	Predict... Inspect
Lasso_grid_model_5	Predict... Inspect
Lasso_grid_model_6	Predict... Inspect
Lasso_grid_model_7	Predict... Inspect
Lasso_grid_model_8	Predict... Inspect
Lasso_grid_model_9	Predict... Inspect
Lasso_grid_model_10	Predict... Inspect
Lasso_grid_model_11	Predict... Inspect
Lasso_grid_model_12	Predict... Inspect
Lasso_grid_model_13	Predict... Inspect
Lasso_grid_model_14	Predict... Inspect
Lasso_grid_model_15	Predict... Inspect
Lasso_grid_model_16	Predict... Inspect
Lasso_grid_model_17	Predict... Inspect
Lasso_grid_model_18	Predict... Inspect
Lasso_grid_model_19	Predict... Inspect
Lasso_grid_model_20	Predict... Inspect
Lasso_grid_model_21	Predict... Inspect
Lasso_grid_model_22	Predict... Inspect
Lasso_grid_model_23	Predict... Inspect

Key	Actions
Lasso_grid_model_24	Predict... Inspect
Lasso_grid_model_25	Predict... Inspect
Lasso_grid_model_26	Predict... Inspect
Lasso_grid_model_27	Predict... Inspect
Lasso_grid_model_58	Predict... Inspect
Lasso_grid_model_53	Predict... Inspect
Lasso_grid_model_71	Predict... Inspect
Lasso_grid_model_81	Predict... Inspect
Lasso_grid_model_57	Predict... Inspect
Lasso_grid_model_31	Predict... Inspect
Lasso_grid_model_34	Predict... Inspect
Lasso_grid_model_90	Predict... Inspect
Lasso_grid_model_65	Predict... Inspect
Lasso_grid_model_64	Predict... Inspect
Lasso_grid_model_89	Predict... Inspect
Lasso_grid_model_87	Predict... Inspect
Lasso_grid_model_83	Predict... Inspect
Lasso_grid_model_46	Predict... Inspect
Lasso_grid_model_88	Predict... Inspect
Lasso_grid_model_42	Predict... Inspect
Lasso_grid_model_51	Predict... Inspect
Lasso_grid_model_54	Predict... Inspect
Lasso_grid_model_37	Predict... Inspect
Lasso_grid_model_50	Predict... Inspect
Lasso_grid_model_98	Predict... Inspect
Lasso_grid_model_72	Predict... Inspect
Lasso_grid_model_94	Predict... Inspect
Lasso_grid_model_56	Predict... Inspect
Lasso_grid_model_62	Predict... Inspect
Lasso_grid_model_39	Predict... Inspect
Lasso_grid_model_73	Predict... Inspect
Lasso_grid_model_70	Predict... Inspect
Lasso_grid_model_86	Predict... Inspect
Lasso_grid_model_41	Predict... Inspect
Lasso_grid_model_96	Predict... Inspect
Lasso_grid_model_80	Predict... Inspect
Lasso_grid_model_35	Predict... Inspect
Lasso_grid_model_84	Predict... Inspect
Lasso_grid_model_77	Predict... Inspect
Lasso_grid_model_61	Predict... Inspect
Lasso_grid_model_93	Predict... Inspect
Lasso_grid_model_92	Predict... Inspect
Lasso_grid_model_44	Predict... Inspect
Lasso_grid_model_45	Predict... Inspect
Lasso_grid_model_79	Predict... Inspect
Lasso_grid_model_82	Predict... Inspect
Lasso_grid_model_43	Predict... Inspect
Lasso_grid_model_91	Predict... Inspect
Lasso_grid_model_55	Predict... Inspect

Key	Actions
Lasso_grid_model_28	Predict... Inspect
Lasso_grid_model_36	Predict... Inspect
Lasso_grid_model_99	Predict... Inspect
Lasso_grid_model_69	Predict... Inspect
Lasso_grid_model_76	Predict... Inspect
Lasso_grid_model_66	Predict... Inspect
Lasso_grid_model_60	Predict... Inspect
Lasso_grid_model_97	Predict... Inspect
Lasso_grid_model_29	Predict... Inspect
Lasso_grid_model_47	Predict... Inspect
Lasso_grid_model_30	Predict... Inspect
Lasso_grid_model_48	Predict... Inspect
Lasso_grid_model_59	Predict... Inspect
Lasso_grid_model_74	Predict... Inspect
Lasso_grid_model_52	Predict... Inspect
Lasso_grid_model_67	Predict... Inspect
Lasso_grid_model_85	Predict... Inspect
Lasso_grid_model_40	Predict... Inspect
Lasso_grid_model_63	Predict... Inspect
Lasso_grid_model_68	Predict... Inspect
Lasso_grid_model_49	Predict... Inspect
Lasso_grid_model_38	Predict... Inspect
Lasso_grid_model_100	Predict... Inspect
Lasso_grid_model_95	Predict... Inspect
Lasso_grid_model_78	Predict... Inspect
Lasso_grid_model_33	Predict... Inspect
Lasso_grid_model_75	Predict... Inspect
Lasso_grid_model_32	Predict... Inspect

11 20:28:41	0.000 sec	0.2058	0.0423	0.1478	0.7345	0.2058	0.0423
2019-09-11 20:28:41	0.000 sec	0.1981	0.0392	0.1414	0.7538	0.1981	0.0392
2019-09-11 20:28:41	0.000 sec	0.1899	0.0361	0.1348	0.7738	0.1899	0.0361
2019-09-11 20:28:41	0.000 sec	0.1815	0.0329	0.1276	0.7935	0.1815	0.0329
2019-09-11 20:28:41	0.000 sec	0.1738	0.0302	0.1212	0.8105	0.1738	0.0302
2019-09-11 20:28:41	0.000 sec	0.1648	0.0272	0.1137	0.8296	0.1648	0.0272
2019-09-11 20:28:41	0.000 sec	0.1562	0.0244	0.1071	0.8469	0.1562	0.0244
2019-09-11 20:28:41	0.000 sec	0.1468	0.0215	0.1002	0.8649	0.1468	0.0215
2019-09-11 20:28:41	0.000 sec	0.1347	0.0181	0.0921	0.8862	0.1347	0.0181
2019-09-11	0.000 sec	0.1220	0.0149	0.0834	0.9067	0.1220	0.0149

Model

Model ID: Lasso_grid_model_1

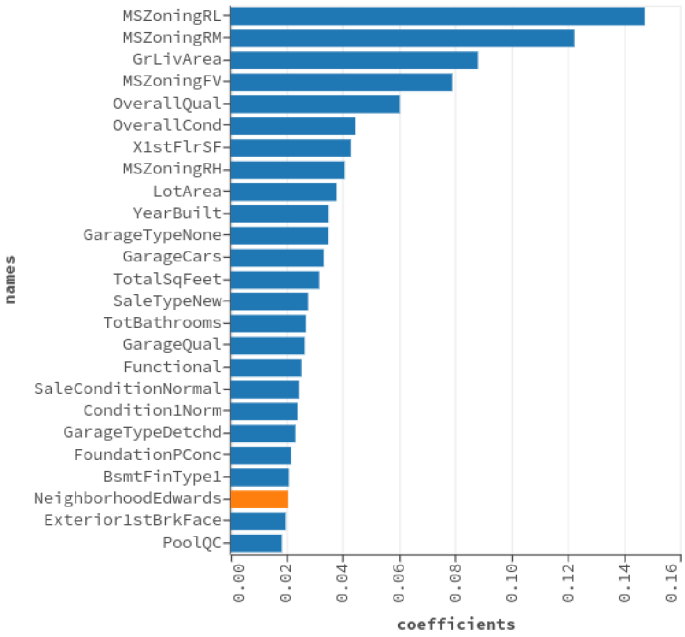
Algorithm: Generalized Linear Modeling

Actions: Refresh | Predict... | Download POJO | Download Model Deployment Package (MOJO) | Export | Inspect | Delete | Download Gen Model

MODEL PARAMETERS

SCORING HISTORY

STANDARDIZED COEFFICIENT MAGNITUDES



OUTPUT

COLUMN_TYPES

CROSS_VALIDATION_MODELS

OUTPUT - GLM MODEL (SUMMARY)

family	gaussian
link	identity
regularization	Lasso (lambda = 1.0E-4)
number_of_predictors_total	163
number_of_active_predictors	155
number_of_iterations	1
training_frame	train.hex

OUTPUT - SCORING HISTORY

OUTPUT - TRAINING_METRICS

model	Lasso_grid_model_1
model_checksum	-2693831383343243264
frame	train.hex
frame_checksum	2678409454704134662
description	·
model_category	Regression
scoring_time	1568226521049
predictions	·
MSE	0.010890
RMSE	0.104354
nobs	1460
custom_metric_name	·
custom_metric_value	0
r2	0.931706
mean_residual_deviance	0.010890
mae	0.072829
rmsle	0.008065
residual_deviance	15.898897
null_deviance	232.800671
AIC	-2141.814739
null_degrees_of_freedom	1459
residual_degrees_of_freedom	1304

▾ OUTPUT - VALIDATION_METRICS

model	Lasso_grid_model_1
model_checksum	-2693831383343243264
frame	train.hex
frame_checksum	2678409454704134662
description	·
model_category	Regression
scoring_time	1568226521051
predictions	·
MSE	0.010890
RMSE	0.104354
nobs	1460
custom_metric_name	·
custom_metric_value	0
r2	0.931706
mean_residual_deviance	0.010890
mae	0.072829
rmsle	0.008065
residual_deviance	15.898897
null_deviance	232.800671
AIC	-2141.814739
null_degrees_of_freedom	1459
residual_degrees_of_freedom	1304

▾ OUTPUT - CROSS_VALIDATION_METRICS

model	Lasso_grid_model_1
model_checksum	-2693831383343243264
frame	train.hex
frame_checksum	2678409454704134662
description	5-fold cross-validation on training data (Metrics computed for combined holdout predictions)
model_category	Regression
scoring_time	1568226521052
predictions	·
MSE	0.014972
RMSE	0.122360
nobs	1460
custom_metric_name	·
custom_metric_value	0
r2	0.906105
mean_residual_deviance	0.014972
mae	0.082723
rmsle	0.009452
residual_deviance	21.858917
null_deviance	232.900015
AIC	-1675.010358
null_degrees_of_freedom	1459
residual_degrees_of_freedom	1303

OUTPUT - CROSS-VALIDATION METRICS SUMMARY

	mean	*sd*	*cv_1_valid*	*cv_2_valid*	*cv_3_valid*	*cv_4_valid*	*cv_5_valid*
mae	0.08260455	0.0032085434	0.0822759	0.08598305	0.08482321	0.073944345	0.08599625
mean_residual_deviance	0.014923718	0.0016489736	0.017727388	0.016939035	0.014354745	0.011079114	0.0145183075
mse	0.014923718	0.0016489736	0.017727388	0.016939035	0.014354745	0.011079114	0.0145183075
null_deviance	46.58	4.996553	42.83299	57.897892	50.13301	36.95442	45.081707
r2	0.9056831	0.009495551	0.87996346	0.9108198	0.91537917	0.9166262	0.9056268
residual_deviance	4.3717833	0.5383148	5.1409426	5.1494665	4.2346497	3.0799937	4.253864
rmse	0.12177098	0.0069118408	0.13314424	0.13015005	0.11981129	0.10525737	0.12049194
rmsle	0.0094056325	5.233184E-4	0.010038953	0.010245333	0.009305894	0.008136098	0.009301883

OUTPUT - COEFFICIENTS (GLM COEFFICIENTS)

names	*coefficients*	*standardized_coefficients*
Intercept	10.2453	12.0241
LotFrontage	-0.0010	-0.0010
LotArea	0.0383	0.0376
YearBuilt	0.0348	0.0347
MasVnrArea	-0.0072	-0.0072
BsmtFinSF2	-0.0080	-0.0079
BsmtUnfSF	-0.0127	-0.0126
X1stFlrSF	0.0433	0.0426
X2ndFlrSF	0.0115	0.0116
LowQualFinSF	-0.0022	-0.0025
GrLivArea	0.0859	0.0877
BsmtFullBath	0	0
BsmtHalfBath	0	0
FullBath	0.0005	0.0005
HalfBath	0.0068	0.0068
BedroomAbvGr	-0.0045	-0.0045
KitchenAbvGr	-0.0132	-0.0133
TotRmsAbvGrd	0.0088	0.0091
Fireplaces	0.0109	0.0108
GarageCars	0.0336	0.0329
WoodDeckSF	0.0080	0.0080
OpenPorchSF	0	0
EnclosedPorch	0.0007	0.0007
X3SsnPorch	0.0011	0.0012

OUTPUT - STANDARDIZED COEFFICIENT MAGNITUDES (STANDARDIZED COEFFICIENT MAGNITUDES)

PREVIEW POJO

Preview POJO

Build a Model

Select an algorithm: Generalized Linear Modeling

PARAMETERS GRID?

model_id	Ridge_Regression	Destination id for this model; auto-generated if not specified.	
training_frame	train.hex	Id of the training data frame.	
validation_frame	train.hex	Id of the validation data frame.	☐
nfolds	5	Number of folds for K-fold cross-validation (0 to disable or >= 2).	
seed	12345	Seed for pseudo random number generator (if applicable)	☐
response_column	SalePrice	Response variable column.	☐
ignored_columns	Search...		

Showing page 1 of 2.

☐ LotFrontage	REAL
☐ LotArea	REAL
☐ YearBuilt	REAL
☐ MasVnrArea	REAL
☐ BsmtFinSF2	REAL
☐ BsmtUnfSF	REAL
☐ X1stFlrSF	REAL
☐ X2ndFlrSF	REAL
☐ LowQualFinSF	REAL
☐ [illegible]	REAL

☑ All ☐ None ← Previous 100 → Next 100

Only show columns with more than 0 % missing values.

ignore_const_cols	☑	Ignore constant columns.	
family	gaussian	Family. Use binomial for classification with logistic regression, others are for regression problems.	
solver	AUTO	AUTO will set the solver based on given data and the other parameters. IRLSM is fast on on problems with small number of predictors and for lambda-search with L1 penalty, L_BFGS scales better for datasets with many columns.	
alpha	0	Distribution of regularization between the L1 (Lasso) and L2 (Ridge) penalties. A value of 1 for alpha represents Lasso regression, a value of 0 produces Ridge regression, and anything in between specifies the amount of mixing between the two. Default value of alpha is 0 when SOLVER = 'L-BFGS'; 0.5 otherwise.	☐
lambda	0.0001;0.0102;0.0203;0.0304;0.0405;0.0506;0.0607;0.0708;0.08	Regularization strength	☑

lambda_search	☐	Use lambda search starting at lambda max, given lambda is then interpreted as lambda min
standardize	☐	Standardize numeric columns to have zero mean and unit variance
non_negative	☐	Restrict coefficients (not intercept) to be non-negative
beta_constraints	(Choose...) ▾	Beta constraints
obj_reg	-1	Likelihood divider in objective value computation, default is 1/nobs

ADVANCED GRID?

fold_assignment	AUTO ▾	Cross-validation fold assignment scheme, if fold_column is not specified. The 'Stratified' option will stratify the folds based on the response variable, for classification problems.	☐
score_each_iteration	☐	Whether to score during each iteration of model training.	
offset_column	(Choose...) ▾	Offset column. This will be added to the combination of columns before applying the link function.	☐
weights_column	(Choose...) ▾	Column with observation weights. Giving some observation a weight of zero is equivalent to excluding it from the dataset; giving an observation a relative weight of 2 is equivalent to repeating that row twice. Negative weights are not allowed. Note: Weights are per-row observation weights and do not increase the size of the data frame. This is typically the number of times a row is repeated, but non-integer values are supported as well. During training, rows with higher weights matter more, due to the larger loss function pre-factor.	☐
compute_p_values	☐	Request p-values computation, p-values work only with IRLSM solver and no regularization	
remove_collinear_columns	☐	In case of linearly dependent columns, remove some of the dependent columns	
max_iterations	-1	Maximum number of iterations	
link	family_default ▾		
export_checkpoints_dir		Automatically export generated models to this directory.	
max_runtime_secs	0	Maximum allowed runtime in seconds for model training. Use 0 to disable.	☐
custom_metric_func		Reference to custom evaluation function, format: `language:keyName=funcName`	

EXPERT GRID?

keep_cross_validation_models	☑	Whether to keep the cross-validation models.
keep_cross_validation_predictions	☐	Whether to keep the predictions of the cross-validation models.
keep_cross_validation_fold_assignment	☐	Whether to keep the cross-validation fold assignment.
missing_values_handling	MeanImputation ▾	Handling of missing values. Either MeanImputation or Skip.
intercept	☑	Include constant term in the model
objective_epsilon	-1	Converge if objective value changes less than this. Default indicates: If lambda_search is set to True the value of objective_epsilon is set to .0001. If the lambda_search is set to False and lambda is equal to zero, the value of objective_epsilon is set to .000001, for any other value of lambda the default value of objective_epsilon is set to .0001.
beta_epsilon	0.0001	Converge if beta changes less (using L-infinity norm) than beta esilon, ONLY applies to IRLSM solver
gradient_epsilon	-1	Converge if objective changes less (using L-infinity norm) than this, ONLY applies to L-BFGS solver. Default indicates: If lambda_search is set to False and lambda is equal to zero, the default value of gradient_epsilon is equal to .000001, otherwise the default value is .0001. If lambda_search is set to True, the conditional values above are 1E-8 and 1E-6 respectively.
prior	-1	Prior probability for y==1. To be used only for logistic regression iff the data has been sampled and the mean of response does not reflect reality.
max_active_predictors	-1	Maximum number of active predictors during computation. Use as a stopping criterion to prevent expensive model building with many predictors. Default indicates: If the IRLSM solver is used, the value of max_active_predictors is set to 5000 otherwise it is set to 100000000.

interactions Search...

Showing page 1 of 2.

LotFrontage	REAL
LotArea	REAL
YearBuilt	REAL
MasVnrArea	REAL
BsmtFinSF2	REAL
BsmtUnfSF	REAL
X1stFlrSF	REAL
X2ndFlrSF	REAL
LowQualFinSF	REAL

All None Previous 100 Next 100

Only show columns with more than 0 % missing values.

interaction_pairs Choose... ↔ + A list of pairwise (first order) column interactions.

GRID SETTINGS:

Grid ID Ridge_grid Destination id for this grid; auto-generated if not specified

Strategy Cartesian The default strategy 'Cartesian' covers the entire space of hyperparameter combinations. Specify the 'RandomDiscrete' strategy to get random search of all the combinations of your hyperparameters. RandomDiscrete should usually be combined with at least one early stopping criterion, max_models and/or max_runtime_secs.

Build Model

Job

Run Time 00:00:14.470
Remaining Time 00:00:00.0
Type Grid
Key Ridge_grid
Description GLM Grid Search
Status DONE
Progress 100%
Done.
Actions View

Grid Search

Inspect Grid Summary Inspect Scoring History Inspect Models Delete selected

Key	*Actions*
Ridge_grid_model_2	Predict... Inspect
Ridge_grid_model_3	Predict... Inspect
Ridge_grid_model_4	Predict... Inspect
Ridge_grid_model_5	Predict... Inspect
Ridge_grid_model_6	Predict... Inspect
Ridge_grid_model_1	Predict... Inspect
Ridge_grid_model_7	Predict... Inspect
Ridge_grid_model_8	Predict... Inspect

Key	Actions
Ridge_grid_model_9	Predict... Inspect
Ridge_grid_model_10	Predict... Inspect
Ridge_grid_model_11	Predict... Inspect
Ridge_grid_model_12	Predict... Inspect
Ridge_grid_model_13	Predict... Inspect
Ridge_grid_model_14	Predict... Inspect
Ridge_grid_model_15	Predict... Inspect
Ridge_grid_model_16	Predict... Inspect
Ridge_grid_model_17	Predict... Inspect
Ridge_grid_model_18	Predict... Inspect
Ridge_grid_model_19	Predict... Inspect
Ridge_grid_model_20	Predict... Inspect
Ridge_grid_model_21	Predict... Inspect
Ridge_grid_model_22	Predict... Inspect
Ridge_grid_model_23	Predict... Inspect
Ridge_grid_model_24	Predict... Inspect
Ridge_grid_model_25	Predict... Inspect
Ridge_grid_model_26	Predict... Inspect
Ridge_grid_model_27	Predict... Inspect
Ridge_grid_model_28	Predict... Inspect
Ridge_grid_model_29	Predict... Inspect
Ridge_grid_model_30	Predict... Inspect
Ridge_grid_model_31	Predict... Inspect
Ridge_grid_model_32	Predict... Inspect
Ridge_grid_model_33	Predict... Inspect
Ridge_grid_model_34	Predict... Inspect
Ridge_grid_model_35	Predict... Inspect
Ridge_grid_model_36	Predict... Inspect
Ridge_grid_model_37	Predict... Inspect
Ridge_grid_model_38	Predict... Inspect
Ridge_grid_model_39	Predict... Inspect
Ridge_grid_model_40	Predict... Inspect
Ridge_grid_model_41	Predict... Inspect
Ridge_grid_model_42	Predict... Inspect
Ridge_grid_model_43	Predict... Inspect
Ridge_grid_model_44	Predict... Inspect
Ridge_grid_model_45	Predict... Inspect
Ridge_grid_model_46	Predict... Inspect
Ridge_grid_model_47	Predict... Inspect
Ridge_grid_model_48	Predict... Inspect
Ridge_grid_model_49	Predict... Inspect
Ridge_grid_model_50	Predict... Inspect
Ridge_grid_model_51	Predict... Inspect
Ridge_grid_model_52	Predict... Inspect
Ridge_grid_model_53	Predict... Inspect
Ridge_grid_model_54	Predict... Inspect
Ridge_grid_model_55	Predict... Inspect
Ridge_grid_model_56	Predict... Inspect
Ridge_grid_model_57	Predict... Inspect

Key	Actions
Ridge_grid_model_58	Predict... Inspect
Ridge_grid_model_59	Predict... Inspect
Ridge_grid_model_60	Predict... Inspect
Ridge_grid_model_61	Predict... Inspect
Ridge_grid_model_62	Predict... Inspect
Ridge_grid_model_63	Predict... Inspect
Ridge_grid_model_64	Predict... Inspect
Ridge_grid_model_65	Predict... Inspect
Ridge_grid_model_66	Predict... Inspect
Ridge_grid_model_67	Predict... Inspect
Ridge_grid_model_68	Predict... Inspect
Ridge_grid_model_69	Predict... Inspect
Ridge_grid_model_70	Predict... Inspect
Ridge_grid_model_71	Predict... Inspect
Ridge_grid_model_72	Predict... Inspect
Ridge_grid_model_73	Predict... Inspect
Ridge_grid_model_74	Predict... Inspect
Ridge_grid_model_75	Predict... Inspect
Ridge_grid_model_76	Predict... Inspect
Ridge_grid_model_77	Predict... Inspect
Ridge_grid_model_78	Predict... Inspect
Ridge_grid_model_79	Predict... Inspect
Ridge_grid_model_80	Predict... Inspect
Ridge_grid_model_81	Predict... Inspect
Ridge_grid_model_82	Predict... Inspect
Ridge_grid_model_83	Predict... Inspect
Ridge_grid_model_84	Predict... Inspect
Ridge_grid_model_85	Predict... Inspect
Ridge_grid_model_86	Predict... Inspect
Ridge_grid_model_87	Predict... Inspect
Ridge_grid_model_88	Predict... Inspect
Ridge_grid_model_89	Predict... Inspect
Ridge_grid_model_90	Predict... Inspect
Ridge_grid_model_91	Predict... Inspect
Ridge_grid_model_92	Predict... Inspect
Ridge_grid_model_93	Predict... Inspect
Ridge_grid_model_94	Predict... Inspect
Ridge_grid_model_95	Predict... Inspect
Ridge_grid_model_96	Predict... Inspect
Ridge_grid_model_97	Predict... Inspect
Ridge_grid_model_98	Predict... Inspect
Ridge_grid_model_99	Predict... Inspect
Ridge_grid_model_100	Predict... Inspect

2019-09-11 20:40:01	0.000 sec	0.1165	0.0136	0.0796	0.9149	0.1165	0.0136
2019-09-11 20:40:01	0.000 sec	0.1159	0.0134	0.0792	0.9158	0.1159	0.0134
2019-09-11	0.000	0.1152	0.0133	0.0787	0.9168	0.1152	0.0133

timestamp	duration	training_rmse	training_deviance	training_mae	training_r2	validation_rmse	validation_deviance	validati
2019-09-11 20:40:01	sec							
2019-09-11 20:40:01	0.000 sec	0.1145	0.0131	0.0783	0.9178	0.1145	0.0131	
2019-09-11 20:40:00	0.000 sec	0.1043	0.0109	0.0728	0.9318	0.1043	0.0109	
2019-09-11 20:40:01	0.000 sec	0.1137	0.0129	0.0778	0.9190	0.1137	0.0129	
2019-09-11 20:40:01	0.000 sec	0.1128	0.0127	0.0772	0.9202	0.1128	0.0127	
2019-09-11 20:40:01	0.000 sec	0.1117	0.0125	0.0766	0.9217	0.1117	0.0125	
2019-09-11 20:40:00	0.000 sec	0.1105	0.0122	0.0758	0.9235	0.1105	0.0122	
2019-09-11	0.000							

Model

Model ID: Ridge_grid_model_2

Algorithm: Generalized Linear Modeling

Actions: Refresh | Predict... | Download POJO | Download Model Deployment Package (MOJO) | Export | Inspect | Delete | Download Gen Model

MODEL PARAMETERS

SCORING HISTORY

OUTPUT

COLUMN_TYPES

CROSS_VALIDATION_MODELS

OUTPUT - GLM MODEL (SUMMARY)

family	gaussian
link	identity
regularization	Ridge (lambda = 0.0102)
number_of_predictors_total	163
number_of_active_predictors	163
number_of_iterations	1
training_frame	train.hex

OUTPUT - SCORING HISTORY

OUTPUT - TRAINING_METRICS

model	Ridge_grid_model_2
model_checksum	1544630612700651712
frame	train.hex
frame_checksum	2678409454704134662
description	·
model_category	Regression
scoring_time	1568227200923
predictions	·
MSE	0.011820
RMSE	0.108722
nobs	1460
custom_metric_name	·
custom_metric_value	0
r2	0.925869
mean_residual_deviance	0.011820
mae	0.074948
rmsle	0.008417
residual_deviance	17.257775
null_deviance	232.800671
AIC	-2006.075759
null_degrees_of_freedom	1459
residual_degrees_of_freedom	1296

▾ OUTPUT - VALIDATION_METRICS

model	Ridge_grid_model_2
model_checksum	1544630612700651712
frame	train.hex
frame_checksum	2678409454704134662
description	·
model_category	Regression
scoring_time	1568227200926
predictions	·
MSE	0.011820
RMSE	0.108722
nobs	1460
custom_metric_name	·
custom_metric_value	0
r2	0.925869
mean_residual_deviance	0.011820
mae	0.074948
rmsle	0.008417
residual_deviance	17.257775
null_deviance	232.800671
AIC	-2006.075759
null_degrees_of_freedom	1459
residual_degrees_of_freedom	1296

▾ OUTPUT - CROSS_VALIDATION_METRICS

model	Ridge_grid_model_2
model_checksum	1544630612700651712
frame	train.hex
frame_checksum	2678409454704134662
description	5-fold cross-validation on training data (Metrics computed for combined holdout predictions)
model_category	Regression
scoring_time	1568227200926
predictions	·
MSE	0.014725
RMSE	0.121347
nobs	1460
custom_metric_name	·
custom_metric_value	0
r2	0.907652
mean_residual_deviance	0.014725
mae	0.082020
rmsle	0.009385
residual_deviance	21.498578
null_deviance	232.900015
AIC	-1685.278673
null_degrees_of_freedom	1459
residual_degrees_of_freedom	1296

▾ OUTPUT - CROSS-VALIDATION METRICS SUMMARY

	mean	*sd*	*cv_1_valid*	*cv_2_valid*	*cv_3_valid*	*cv_4_valid*	*cv_5_valid*
mae	0.08191322	0.003888628	0.08117297	0.0836446	0.0817407	0.072921835	0.09008597
mean_residual_deviance	0.014688598	0.0016002241	0.017139915	0.015042883	0.013859609	0.010799259	0.01660132
mse	0.014688598	0.0016002241	0.017139915	0.015042883	0.013859609	0.010799259	0.01660132
null_deviance	46.58	4.996553	42.83299	57.897892	50.13301	36.95442	45.081707
r2	0.9067722	0.010998421	0.8839414	0.92080265	0.918298	0.9187322	0.89208657
residual_deviance	4.2997155	0.507102	4.970576	4.5730367	4.088585	3.002194	4.8641872
rmse	0.120812275	0.0068187984	0.1309195	0.12264943	0.11772684	0.10391948	0.12884611
rmsle	0.00934428	5.060949E-4	0.009874045	0.009603205	0.009197541	0.008026799	0.010019808

▾ OUTPUT - COEFFICIENTS (GLM COEFFICIENTS)

names	*coefficients*
Intercept	10.6474
LotFrontage	-0.0011
LotArea	0.0373
YearBuilt	0.0371
MasVnrArea	-0.0063
BsmtFinSF2	-0.0083
BsmtUnfSF	-0.0140
X1stFlrSF	0.0454
X2ndFlrSF	0.0107
LowQualFinSF	-0.0020
GrLivArea	0.0784
BsmtFullBath	0.0085
BsmtHalfBath	0.0003
FullBath	0.0108
HalfBath	0.0130
BedroomAbvGr	-0.0041
KitchenAbvGr	-0.0146
TotRmsAbvGrd	0.0089
Fireplaces	0.0131
GarageCars	0.0297
WoodDeckSF	0.0074
OpenPorchSF	-0.0006
EnclosedPorch	0.0007
X3SsnPorch	0.0013

▾ PREVIEW POJO

Preview POJO

Build a Model

Select an algorithm: Generalized Linear Modeling

PARAMETERS GRID?

model_id	ElasticNet	Destination id for this model; auto-generated if not specified.	
training_frame	train.hex	Id of the training data frame.	
validation_frame	train.hex	Id of the validation data frame.	☐
nfolds	5	Number of folds for K-fold cross-validation (0 to disable or >= 2).	
seed	12345	Seed for pseudo random number generator (if applicable)	☐
response_column	SalePrice	Response variable column.	☐
ignored_columns	Search...		

Showing page 1 of 2.

☐ LotFrontage	REAL
☐ LotArea	REAL
☐ YearBuilt	REAL
☐ MasVnrArea	REAL
☐ BsmtFinSF2	REAL
☐ BsmtUnfSF	REAL
☐ X1stFlrSF	REAL
☐ X2ndFlrSF	REAL
☐ LowQualFinSF	REAL

☑ All ☐ None ← Previous 100 → Next 100

Only show columns with more than 0 % missing values.

ignore_const_cols	☑	Ignore constant columns.	
family	gaussian	Family. Use binomial for classification with logistic regression, others are for regression problems.	
solver	AUTO	AUTO will set the solver based on given data and the other parameters. IRLSM is fast on on problems with small number of predictors and for lambda-search with L1 penalty, L_BFGS scales better for datasets with many columns.	
alpha	0.001;0.01;0.112;0.223;0.334;0.445;0.556;0.667;0.778;0.889;1.0	Distribution of regularization between the L1 (Lasso) and L2 (Ridge) penalties. A value of 1 for alpha represents Lasso regression, a value of 0 produces Ridge regression, and anything in between specifies the amount of mixing between the two. Default value of alpha is 0 when SOLVER = 'L-BFGS'; 0.5 otherwise.	☑
lambda	0.001;0.01;0.112;0.223;0.334;0.445;0.556;0.667;0.778;0.889;1.0	Regularization strength	☑
lambda_search	☐	Use lambda search starting at lambda max, given lambda is then interpreted as lambda min	

standardize	☑	Standardize numeric columns to have zero mean and unit variance
non_negative	☐	Restrict coefficients (not intercept) to be non-negative
beta_constraints	(Choose...)	Beta constraints
obj_reg	-1	Likelihood divider in objective value computation, default is 1/nobs

ADVANCED GRID?

fold_assignment	AUTO	Cross-validation fold assignment scheme, if fold_column is not specified. The 'Stratified' option will stratify the folds based on the response variable, for classification problems.
score_each_iteration	☐	Whether to score during each iteration of model training.
offset_column	(Choose...)	Offset column. This will be added to the combination of columns before applying the link function.
weights_column	(Choose...)	Column with observation weights. Giving some observation a weight of zero is equivalent to excluding it from the dataset; giving an observation a relative weight of 2 is equivalent to repeating that row twice. Negative weights are not allowed. Note: Weights are per-row observation weights and do not increase the size of the data frame. This is typically the number of times a row is repeated, but non-integer values are supported as well. During training, rows with higher weights matter more, due to the larger loss function pre-factor.
compute_p_values	☐	Request p-values computation, p-values work only with IRLSM solver and no regularization
remove_collinear_columns	☐	In case of linearly dependent columns, remove some of the dependent columns
max_iterations	-1	Maximum number of iterations
link	family_default	
export_checkpoints_dir		Automatically export generated models to this directory.
max_runtime_secs	0	Maximum allowed runtime in seconds for model training. Use 0 to disable.
custom_metric_func		Reference to custom evaluation function, format: `language:keyName=funcName`

EXPERT GRID?

keep_cross_validation_models	☑	Whether to keep the cross-validation models.

keep_cross_validation_predictions	☐	Whether to keep the predictions of the cross-validation models.
keep_cross_validation_fold_assignment	☐	Whether to keep the cross-validation fold assignment.
missing_values_handling	MeanImputation ▾	Handling of missing values. Either MeanImputation or Skip.
intercept	☑	Include constant term in the model
objective_epsilon	-1	Converge if objective value changes less than this. Default indicates: If lambda_search is set to True the value of objective_epsilon is set to .0001. If the lambda_search is set to False and lambda is equal to zero, the value of objective_epsilon is set to .000001, for any other value of lambda the default value of objective_epsilon is set to .0001.
beta_epsilon	0.0001	Converge if beta changes less (using L-infinity norm) than beta esilon, ONLY applies to IRLSM solver
gradient_epsilon	-1	Converge if objective changes less (using L-infinity norm) than this, ONLY applies to L-BFGS solver. Default indicates: If lambda_search is set to False and lambda is equal to zero, the default value of gradient_epsilon is equal to .000001, otherwise the default value is .0001. If lambda_search is set to True, the conditional values above are 1E-8 and 1E-6 respectively.
prior	-1	Prior probability for y==1. To be used only for logistic regression iff the data has been sampled and the mean of response does not reflect reality.
max_active_predictors	-1	Maximum number of active predictors during computation. Use as a stopping criterion to prevent expensive model building with many predictors. Default indicates: If the IRLSM solver is used, the value of max_active_predictors is set to 5000 otherwise it is set to 100000000.

interactions Search...

Showing page 1 of 2.

LotFrontage	REAL
LotArea	REAL
YearBuilt	REAL
MasVnrArea	REAL
BsmtFinSF2	REAL
BsmtUnfSF	REAL
X1stFlrSF	REAL
X2ndFlrSF	REAL
LowQualFinSF	REAL

☑ All ☐ None ← Previous 100 → Next 100

Only show columns with more than 0 % missing values.

interaction_pairs Choose... ↔ + A list of pairwise (first order) column interactions.

GRID SETTINGS:

Grid ID ElasticNet_grid Destination id for this grid; auto-generated if not specified

Strategy Cartesian The default strategy 'Cartesian' covers the entire space of hyperparameter combinations. Specify the 'RandomDiscrete' strategy to get random search of all the combinations of your hyperparameters. RandomDiscrete should usually be combined with at least one early stopping criterion, max_models and/or max_runtime_secs.

Build Model

Job

Run Time 00:00:15.612
Remaining Time 00:00:00.0
Type Grid
Key ElasticNet_grid
Description GLM Grid Search
Status DONE
Progress 100%
Done.
Actions View

Grid Search

Inspect Grid Summary | Inspect Scoring History | Inspect Models | Delete selected

Key	Actions
ElasticNet_grid_model_15	Predict... Inspect
ElasticNet_grid_model_16	Predict... Inspect
ElasticNet_grid_model_6	Predict... Inspect
ElasticNet_grid_model_7	Predict... Inspect
ElasticNet_grid_model_5	Predict... Inspect
ElasticNet_grid_model_8	Predict... Inspect
ElasticNet_grid_model_4	Predict... Inspect
ElasticNet_grid_model_9	Predict... Inspect

Key	Actions
ElasticNet_grid_model_10	Predict... Inspect
ElasticNet_grid_model_11	Predict... Inspect
ElasticNet_grid_model_14	Predict... Inspect
ElasticNet_grid_model_17	Predict... Inspect
ElasticNet_grid_model_13	Predict... Inspect
ElasticNet_grid_model_3	Predict... Inspect
ElasticNet_grid_model_12	Predict... Inspect
ElasticNet_grid_model_24	Predict... Inspect
ElasticNet_grid_model_18	Predict... Inspect
ElasticNet_grid_model_23	Predict... Inspect
ElasticNet_grid_model_2	Predict... Inspect
ElasticNet_grid_model_1	Predict... Inspect
ElasticNet_grid_model_19	Predict... Inspect
ElasticNet_grid_model_34	Predict... Inspect
ElasticNet_grid_model_35	Predict... Inspect
ElasticNet_grid_model_20	Predict... Inspect
ElasticNet_grid_model_45	Predict... Inspect
ElasticNet_grid_model_21	Predict... Inspect
ElasticNet_grid_model_46	Predict... Inspect
ElasticNet_grid_model_56	Predict... Inspect
ElasticNet_grid_model_22	Predict... Inspect
ElasticNet_grid_model_67	Predict... Inspect
ElasticNet_grid_model_57	Predict... Inspect
ElasticNet_grid_model_78	Predict... Inspect
ElasticNet_grid_model_89	Predict... Inspect
ElasticNet_grid_model_25	Predict... Inspect
ElasticNet_grid_model_68	Predict... Inspect
ElasticNet_grid_model_100	Predict... Inspect
ElasticNet_grid_model_111	Predict... Inspect
ElasticNet_grid_model_79	Predict... Inspect
ElasticNet_grid_model_90	Predict... Inspect
ElasticNet_grid_model_101	Predict... Inspect
ElasticNet_grid_model_112	Predict... Inspect
ElasticNet_grid_model_26	Predict... Inspect
ElasticNet_grid_model_36	Predict... Inspect
ElasticNet_grid_model_27	Predict... Inspect
ElasticNet_grid_model_47	Predict... Inspect
ElasticNet_grid_model_28	Predict... Inspect
ElasticNet_grid_model_37	Predict... Inspect
ElasticNet_grid_model_58	Predict... Inspect
ElasticNet_grid_model_29	Predict... Inspect
ElasticNet_grid_model_69	Predict... Inspect
ElasticNet_grid_model_30	Predict... Inspect
ElasticNet_grid_model_38	Predict... Inspect
ElasticNet_grid_model_48	Predict... Inspect
ElasticNet_grid_model_31	Predict... Inspect
ElasticNet_grid_model_80	Predict... Inspect
ElasticNet_grid_model_32	Predict... Inspect
ElasticNet_grid_model_39	Predict... Inspect

Key	Actions
ElasticNet_grid_model_91	Predict... Inspect
ElasticNet_grid_model_59	Predict... Inspect
ElasticNet_grid_model_33	Predict... Inspect
ElasticNet_grid_model_49	Predict... Inspect
ElasticNet_grid_model_102	Predict... Inspect
ElasticNet_grid_model_40	Predict... Inspect
ElasticNet_grid_model_113	Predict... Inspect
ElasticNet_grid_model_70	Predict... Inspect
ElasticNet_grid_model_41	Predict... Inspect
ElasticNet_grid_model_50	Predict... Inspect
ElasticNet_grid_model_60	Predict... Inspect
ElasticNet_grid_model_81	Predict... Inspect
ElasticNet_grid_model_42	Predict... Inspect
ElasticNet_grid_model_51	Predict... Inspect
ElasticNet_grid_model_92	Predict... Inspect
ElasticNet_grid_model_43	Predict... Inspect
ElasticNet_grid_model_71	Predict... Inspect
ElasticNet_grid_model_61	Predict... Inspect
ElasticNet_grid_model_103	Predict... Inspect
ElasticNet_grid_model_44	Predict... Inspect
ElasticNet_grid_model_52	Predict... Inspect
ElasticNet_grid_model_82	Predict... Inspect
ElasticNet_grid_model_114	Predict... Inspect
ElasticNet_grid_model_62	Predict... Inspect
ElasticNet_grid_model_72	Predict... Inspect
ElasticNet_grid_model_53	Predict... Inspect
ElasticNet_grid_model_93	Predict... Inspect
ElasticNet_grid_model_54	Predict... Inspect
ElasticNet_grid_model_88	Predict... Inspect
ElasticNet_grid_model_86	Predict... Inspect
ElasticNet_grid_model_98	Predict... Inspect
ElasticNet_grid_model_97	Predict... Inspect
ElasticNet_grid_model_95	Predict... Inspect
ElasticNet_grid_model_117	Predict... Inspect
ElasticNet_grid_model_105	Predict... Inspect
ElasticNet_grid_model_83	Predict... Inspect
ElasticNet_grid_model_119	Predict... Inspect
ElasticNet_grid_model_87	Predict... Inspect
ElasticNet_grid_model_85	Predict... Inspect
ElasticNet_grid_model_63	Predict... Inspect
ElasticNet_grid_model_73	Predict... Inspect
ElasticNet_grid_model_75	Predict... Inspect
ElasticNet_grid_model_65	Predict... Inspect
ElasticNet_grid_model_106	Predict... Inspect
ElasticNet_grid_model_104	Predict... Inspect
ElasticNet_grid_model_116	Predict... Inspect
ElasticNet_grid_model_99	Predict... Inspect
ElasticNet_grid_model_110	Predict... Inspect
ElasticNet_grid_model_84	Predict... Inspect

Key	Actions
ElasticNet_grid_model_118	Predict... Inspect
ElasticNet_grid_model_77	Predict... Inspect
ElasticNet_grid_model_66	Predict... Inspect
ElasticNet_grid_model_109	Predict... Inspect
ElasticNet_grid_model_96	Predict... Inspect
ElasticNet_grid_model_55	Predict... Inspect
ElasticNet_grid_model_94	Predict... Inspect
ElasticNet_grid_model_76	Predict... Inspect
ElasticNet_grid_model_107	Predict... Inspect
ElasticNet_grid_model_108	Predict... Inspect
ElasticNet_grid_model_64	Predict... Inspect
ElasticNet_grid_model_115	Predict... Inspect
ElasticNet_grid_model_121	Predict... Inspect
ElasticNet_grid_model_74	Predict... Inspect
ElasticNet_grid_model_120	Predict... Inspect

11 20:55:13	0.000 sec	0.1073	0.0115	0.0742	0.9278	0.1073	0.0115
2019-09-11 20:55:13	0.000 sec	0.1069	0.0114	0.0740	0.9284	0.1069	0.0114
2019-09-11 20:55:13	0.000 sec	0.1064	0.0113	0.0738	0.9290	0.1064	0.0113
2019-09-11 20:55:12	0.000 sec	0.1047	0.0110	0.0730	0.9313	0.1047	0.0110
2019-09-11 20:55:13	0.000 sec	0.1060	0.0112	0.0736	0.9295	0.1060	0.0112
2019-09-11 20:55:12	0.000 sec	0.1050	0.0110	0.0731	0.9309	0.1050	0.0110
2019-09-11 20:55:12	0.000 sec	0.1056	0.0112	0.0734	0.9300	0.1056	0.0112
2019-09-11 20:55:12	0.000 sec	0.1053	0.0111	0.0733	0.9305	0.1053	0.0111
2019-09-11	0.000	0.1128	0.0127	0.0773	0.9202	0.1128	0.0127

Model

Model ID: ElasticNet_grid_model_15

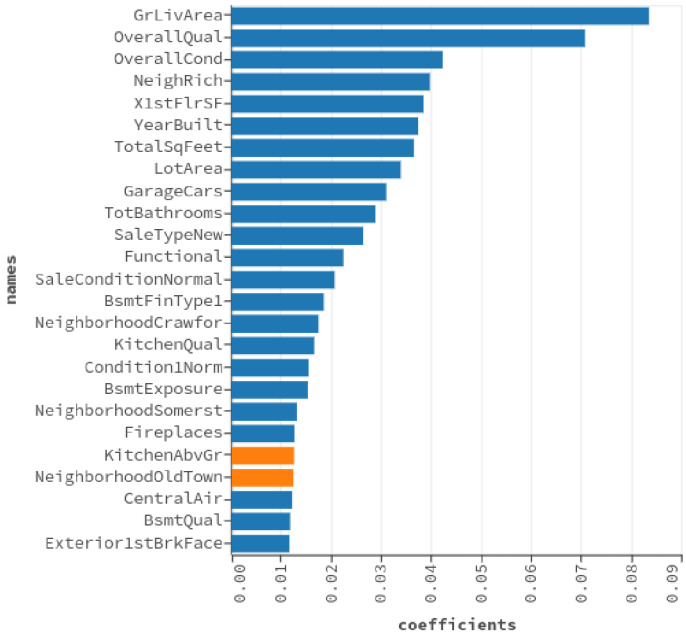
Algorithm: Generalized Linear Modeling

Actions: Refresh | Predict... | Download POJO | Download Model Deployment Package (MOJO) | Export | Inspect | Delete | Download Gen Model

▸ MODEL PARAMETERS

▸ SCORING HISTORY

▾ STANDARDIZED COEFFICIENT MAGNITUDES



OUTPUT

COLUMN_TYPES

CROSS_VALIDATION_MODELS

OUTPUT - GLM MODEL (SUMMARY)

family	gaussian
link	identity
regularization	Elastic Net (alpha = 0.223, lambda = 0.01)
number_of_predictors_total	163
number_of_active_predictors	88
number_of_iterations	2
training_frame	train.hex

OUTPUT - SCORING HISTORY

OUTPUT - TRAINING_METRICS

model	ElasticNet_grid_model_15
model_checksum	-222205865212467072
frame	train.hex
frame_checksum	2678409454704134662
description	·
model_category	Regression
scoring_time	1568228114327
predictions	·
MSE	0.012348
RMSE	0.111123
nobs	1460
custom_metric_name	·
custom_metric_value	0
r2	0.922557
mean_residual_deviance	0.012348
mae	0.076204
rmsle	0.008605
residual_deviance	18.028684
null_deviance	232.800671
AIC	-2092.271870
null_degrees_of_freedom	1459
residual_degrees_of_freedom	1371

OUTPUT - VALIDATION_METRICS

model	ElasticNet_grid_model_15
model_checksum	-222205865212467072
frame	train.hex
frame_checksum	2678409454704134662
description	·
model_category	Regression
scoring_time	1568228114329
predictions	·
MSE	0.012348
RMSE	0.111123
nobs	1460
custom_metric_name	·
custom_metric_value	0
r2	0.922557
mean_residual_deviance	0.012348
mae	0.076204
rmsle	0.008605
residual_deviance	18.028684
null_deviance	232.800671
AIC	-2092.271870
null_degrees_of_freedom	1459
residual_degrees_of_freedom	1371

▾ OUTPUT - CROSS_VALIDATION_METRICS

model	ElasticNet_grid_model_15
model_checksum	-222205865212467072
frame	train.hex
frame_checksum	2678409454704134662
description	5-fold cross-validation on training data (Metrics computed for combined holdout predictions)
model_category	Regression
scoring_time	1568228114329
predictions	·
MSE	0.014630
RMSE	0.120953
nobs	1460
custom_metric_name	·
custom_metric_value	0
r2	0.908251
mean_residual_deviance	0.014630
mae	0.082059
rmsle	0.009361
residual_deviance	21.359152
null_deviance	232.900015
AIC	-1842.778122
null_degrees_of_freedom	1459
residual_degrees_of_freedom	1370

▾ OUTPUT - CROSS-VALIDATION METRICS SUMMARY

	mean	*sd*	*cv_1_valid*	*cv_2_valid*	*cv_3_valid*	*cv_4_valid*	*cv_5_valid*
mae	0.08193927	0.0040156776	0.078932814	0.08516582	0.0821394	0.07331255	0.09014579
mean_residual_deviance	0.014591605	0.0013866188	0.01607408	0.015336377	0.013976692	0.011065442	0.016505439
mse	0.014591605	0.0013866188	0.01607408	0.015336377	0.013976692	0.011065442	0.016505439
null_deviance	46.58	4.996553	42.83299	57.897892	50.13301	36.95442	45.081707
r2	0.9074925	0.009007649	0.8911584	0.91925746	0.9176078	0.9167291	0.89270985
residual_deviance	4.2718306	0.45544687	4.6614833	4.6622586	4.123124	3.0761929	4.8360934
rmse	0.12050254	0.0059474655	0.1267836	0.12384012	0.118223056	0.10519241	0.12847349
rmsle	0.009324732	4.566185E-4	0.009570088	0.009684938	0.009242823	0.008127159	0.009998652

▾ OUTPUT - COEFFICIENTS (GLM COEFFICIENTS)

names	coefficients	standardized_coefficients
Intercept	10.6710	12.0241
LotFrontage	0	0
LotArea	0.0344	0.0337
YearBuilt	0.0373	0.0372
MasVnrArea	0	0
BsmtFinSF2	0	0
BsmtUnfSF	-0.0085	-0.0084
X1stFlrSF	0.0389	0.0383
X2ndFlrSF	0	0
LowQualFinSF	0	0
GrLivArea	0.0817	0.0833
BsmtFullBath	0	0
BsmtHalfBath	0	0
FullBath	0	0
HalfBath	0.0066	0.0066
BedroomAbvGr	0	0
KitchenAbvGr	-0.0123	-0.0124
TotRmsAbvGrd	0.0041	0.0042
Fireplaces	0.0125	0.0125
GarageCars	0.0315	0.0309
WoodDeckSF	0.0052	0.0052
OpenPorchSF	0	0
EnclosedPorch	0	0
X3SsnPorch	0	0

▾ OUTPUT - STANDARDIZED COEFFICIENT MAGNITUDES (STANDARDIZED COEFFICIENT MAGNITUDES)

names	coefficients	sign
GrLivArea	0.0833	POS
OverallQual	0.0705	POS
OverallCond	0.0421	POS
NeighRich	0.0395	POS
X1stFlrSF	0.0383	POS
YearBuilt	0.0372	POS
TotalSqFeet	0.0363	POS
LotArea	0.0337	POS
GarageCars	0.0309	POS
TotBathrooms	0.0286	POS
SaleTypeNew	0.0262	POS
Functional	0.0223	POS
SaleConditionNormal	0.0205	POS
BsmtFinType1	0.0183	POS
NeighborhoodCrawfor	0.0173	POS
KitchenQual	0.0164	POS
Condition1Norm	0.0154	POS
BsmtExposure	0.0151	POS
NeighborhoodSomerst	0.0129	POS
Fireplaces	0.0125	POS
KitchenAbvGr	0.0124	NEG
NeighborhoodOldTown	0.0123	NEG
CentralAir	0.0120	POS
BsmtQual	0.0117	POS

▾ PREVIEW POJO

Preview POJO

Import Files

Search: /home/sato/Desktop/Ames/H2oFlow/te

Search Results: (All files added)

Selected Files: 1 file selected: Clear All

✖ /home/sato/Desktop/Ames/H2oFlow/test.csv

Actions: Import

1 / 1 files imported.

Files /home/sato/Desktop/Ames/H2oFlow/test.csv

Actions Parse these files...

Setup Parse

PARSE CONFIGURATION

Sources nfs://home/sato/Desktop/Ames/H2oFlow/test.csv

ID test.hex

Parser CSV

Separator ,: '044'

Column Headers Auto

First row contains column names

First row contains data

Options Enable single quotes as a field quotation character

Delete on done

EDIT COLUMN NAMES AND TYPES

Search by column name...

1	LotFrontage	Numeric	0.570487760272347	0.607772211096702	0.336630506778965	0.494517687866813	-1.283
2	LotArea	Numeric	0.591929732696824	1.02284382361456	0.957467314970097	0.271417544107295	-1.178
3	YearBuilt	Numeric	-0.340451884309732	-0.439489759302268	0.848002615600702	0.881015240598214	0.6829
4	MasVnrArea	Numeric	-0.793325290666826	0.99663996249748	-0.793325290666826	0.368300219273952	-0.793
5	BsmtFinSF2	Numeric	2.28676629912033	-0.362503310368561	-0.362503310368561	-0.362503310368561	-0.362
6	BsmtUnfSF	Numeric	-0.0123569576965637	0.205201542622082	-0.37337166465698	0.0848456763697223	0.6956
7	X1stFlrSF	Numeric	-0.638028771631538	0.599655200471735	-0.527882116637137	-0.534654317556841	0.4816
8	X2ndFlrSF	Numeric	-0.86346176331678	-0.86346176331678	1.13650365644216	1.12633824936818	-0.863
9	LowQualFinS	Numeric	-0.116912359625568	-0.116912359625568	-0.116912359625568	-0.116912359625568	-0.116
10	GrLivArea	Numeric	-1.43539244006781	-0.207526275091078	0.426550944793843	0.378368006877186	-0.324
11	BsmtFullBat	Numeric	-0.818788806759497	-0.818788806759497	-0.818788806759497	-0.818788806759497	-0.818
12	BsmtHalfBat	Numeric	-0.251501295144843	-0.251501295144843	-0.251501295144843	-0.251501295144843	-0.251
13	FullBath	Numeric	-1.02718682967726	-1.02718682967726	0.781231961533791	0.781231961533791	0.7812
14	HalfBath	Numeric	-0.756191470389888	1.23238772066244	1.23238772066244	1.23238772066244	-0.756
15	BedroomAbvG	Numeric	-1.04562212096852	0.169897979034312	0.169897979034312	0.169897979034312	-1.045

← Previous page → Next page

Parse

Job

Run Time 00:00:00.127

Remaining Time 00:00:00.0

Type Frame

Key test.hex

Description Parse
Status DONE
Progress 100%
Done.
Actions View

test.hex

Actions: View Data | Split... | Build Model... | Predict | Download | Export | Delete

Rows	*Columns*	*Compressed Size*
1459	163	605KB

COLUMN SUMMARIES

label	*type*	*Missing*	*Zeros*	*+Inf*	*-Inf*	*min*	*max*	*mean*	*sigma*	*cardinality*	*Actions*
LotFrontage	real	0	0	0	0	-3.3901	3.3322	-0.0293	1.0153		
LotArea	real	0	0	0	0	-3.7523	2.8468	-0.0201	1.0187		
YearBuilt	real	0	0	0	0	-3.0475	1.2772	0.0015	1.0033		
MasVnrArea	real	0	0	0	0	-0.7933	1.9398	-0.0157	0.9971		
BsmtFinSF2	real	0	0	0	0	-0.3625	3.5400	0.0136	1.0177		
BsmtUnfSF	real	0	0	0	0	-3.0092	1.0933	-0.0124	1.0083		
X1stFlrSF	real	0	0	0	0	-3.1135	2.8559	-0.0126	1.0172		
X2ndFlrSF	real	0	0	0	0	-0.8635	1.4343	-0.0107	0.9952		
LowQualFinSF	real	0	0	0	0	-0.1169	10.4533	-0.0345	0.8449		
GrLivArea	real	0	0	0	0	-3.8912	3.0823	-0.0183	0.9793		
BsmtFullBath	real	0	0	0	0	-0.8188	4.8990	0.0081	1.0112		
BsmtHalfBath	real	0	0	0	0	-0.2515	6.3098	0.0157	1.0282		
FullBath	real	0	0	0	0	-2.8356	4.3981	0.0053	1.0040		
HalfBath	real	0	0	0	0	-0.7562	3.2210	-0.0052	1.0003		
BedroomAbvGr	real	0	0	0	0	-3.4767	3.8165	-0.0076	1.0086		
KitchenAbvGr	real	0	0	0	0	-8.0597	4.3969	-0.0096	0.9879		
TotRmsAbvGrd	real	0	0	0	0	-2.1993	5.4470	-0.0423	0.9615		
Fireplaces	real	0	0	0	0	-0.9242	5.2666	-0.0246	1.0020		
GarageCars	real	0	0	0	0	-2.3170	4.2430	-0.0015	1.0195		
WoodDeckSF	real	0	0	0	0	-0.9450	1.8563	-0.0029	0.9987		

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CHUNK COMPRESSION SUMMARY

FRAME DISTRIBUTION SUMMARY

Predict

Name: LinearRegresion_prediction
Model: LInear_Regresion
Frame: test.hex
Actions: Predict

Prediction

PREDICTION

prediction_frame LinearRegresion_prediction

Combine predictions with frame

LinearRegresion_prediction

Actions: View Data | Split... | Build Model... | Predict | Download | Export | Delete

Rows	Columns	Compressed Size
1459	1	14KB

COLUMN SUMMARIES

label	type	Missing	Zeros	+Inf	-Inf	min	max	mean	sigma	cardinality	Actions
predict	real	0	0	0	0	10.5684	13.3324	12.0090	0.4034		· ·

Previous 20 Columns | Next 20 Columns

CHUNK COMPRESSION SUMMARY

FRAME DISTRIBUTION SUMMARY

Predict

Name: Lasso_prediction

Model: Lasso_grid_model_1

Frame: test.hex

Actions: Predict

Prediction

PREDICTION

prediction_frame Lasso_prediction

Combine predictions with frame

Lasso_prediction

Actions: View Data | Split... | Build Model... | Predict | Download | Export | Delete

Rows	Columns	Compressed Size
1459	1	14KB

COLUMN SUMMARIES

label	type	Missing	Zeros	+Inf	-Inf	min	max	mean	sigma	cardinality	Actions
predict	real	0	0	0	0	10.5774	13.3143	12.0091	0.4026		· ·

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CHUNK COMPRESSION SUMMARY

FRAME DISTRIBUTION SUMMARY

Predict

Name: Ridge_prediction

Model: Ridge_grid_model_2

Frame: test.hex

Actions: Predict

Prediction

PREDICTION

prediction_frame Ridge_prediction

Combine predictions with frame

Ridge_prediction

Actions: View Data | Split... | Build Model... | Predict | Download | Export | Delete

Rows	Columns	Compressed Size
1459	1	14KB

COLUMN SUMMARIES

label	type	Missing	Zeros	+Inf	-Inf	min	max	mean	sigma	cardinality	Actions
predict	real	0	0	0	0	10.7786	13.2004	12.0113	0.3965		· ·

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CHUNK COMPRESSION SUMMARY

FRAME DISTRIBUTION SUMMARY

Predict

Name: ElasticNet_prediction

Model: ElasticNet_grid_model_15

Frame: test.hex

Actions: Predict

Prediction

PREDICTION

prediction_frame ElasticNet_prediction

Combine predictions with frame

CS

ElasticNet_prediction

Actions: View Data | Split... | Build Model... | Predict | Download | Export | Delete

Rows	Columns	Compressed Size
1459	1	14KB

COLUMN SUMMARIES

label	type	Missing	Zeros	+Inf	-Inf	min	max	mean	sigma	cardinality	Actions
predict	real	0	0	0	0	10.7895	13.1226	12.0112	0.3916		· ·

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CHUNK COMPRESSION SUMMARY

FRAME DISTRIBUTION SUMMARY