

<sup>+</sup>These features are part of [StataNow](#).

[Description](#)      [Also see](#)

## Description

The H2OML suite of commands in Stata provides a wrapper for H2O. To facilitate the transition and clear up a potential ambiguity that you might encounter, in this entry we provide a mapping of `h2om1` *gbm* and `h2om1` *rf* option names in Stata to the H2O option names available in [H2O GBM](#) and [H2O random forest](#). For options corresponding to hyperparameter tuning and grid search (via `h2om1`'s `tune()` option), we refer you to documentation for [H2O tuning](#).

H2OML in Stata	H2O
* <code>loss()</code>	<code>distribution</code>
<code>validationframe()</code>	<code>validation_frame</code>
<code>cv(#)</code>	<code>nfolds</code>
<code>cv(cvmethod)</code>	<code>fold_assignment</code>
<code>cv(varname)</code>	<code>fold_column</code>
<code>h2orseed()</code>	<code>seed</code>
<code>encode()</code>	<code>categorical_encoding</code>
<code>stop(#)</code>	<code>stopping_rounds</code>
<code>stop(metric())</code>	<code>stopping_metric</code>
<code>stop(tolerance)</code>	<code>stopping_tolerance</code>
<code>maxtime()</code>	<code>max_runtime_secs</code>
<code>scoreevery()</code>	<code>score_tree_interval</code>
* <code>monotone()</code>	<code>monotone_constraints</code>
<code>ntrees()</code>	<code>ntrees</code>
* <code>lrate()</code>	<code>learn_rate</code> (GBM option)
* <code>lratedecay()</code>	<code>learn_rate_annealing</code>
<code>maxdepth()</code>	<code>max_depth</code>
<code>minobsleaf()</code>	<code>min_rows</code>
* <code>predsamprate()</code>	<code>col_sample_rate</code>
<sup>†</sup> <code>predsampvalue()</code>	<code>mtries</code>
<code>samprate()</code>	<code>sample_rate</code>
<code>minsplitthreshold()</code>	<code>min_split_improvement</code>
<code>binscat()</code>	<code>nbins_cats</code>
<code>binsroot()</code>	<code>nbins_top_level</code>
<code>binscont()</code>	<code>nbins</code>
<code>tune(grid(<i>gridspec</i>))</code>	<code>strategy</code>
<code>tune(maxmodels())</code>	<code>max_models</code>

\* indicates that the option is available only for GBM.

<sup>†</sup> indicates that the option is available only for random forest.

### Also see

[H2OML] **h2oml** — Introduction to commands for Stata integration with H2O machine learning<sup>+</sup>

[H2OML] *h2oml gbm* — Gradient boosting machine for regression and classification<sup>+</sup>

[H2OML] *h2oml rf* — Random forest for regression and classification<sup>+</sup>

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