
H2O.ai

GBM Parameters: Defining Data

- **`training_frame:`** H2OFrame used to train model
- **`validation_frame:`** H2OFrame used to validate model (optional)
- **`y:`** column name or index of target variable
- **`x:`** column names (of indices) of predictor variables (default: all but y and ignored_columns)

- **`ignored_columns:`** columns to ignore (e.g. ID column)
- **`ignore_const_cols:`** ignore constant columns (default: True)
- **`weights_column:`** column by which to weight the data points

- **`categorical_encoding:`** encoding scheme for categorical variables: {"enum", "one_hot_explicit", "binary", "eigen", "label_encoder", "sort_by_response"} (default: "enum")

(same as RF)

GBM Parameters: Loss Function

(same as RF)

- `distribution:` specifies the loss function, for use in determining gradients
  - `'bernoulli'`
  - `'multinomial'`
  - `'gaussian'`
  - `'poisson'`
  - `'gamma'`
  - `'laplace'`
  - `'quantile'`
  - `'huber'`
  - `'tweedie'`

- `huber_alpha, quantile_alpha`

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