



BigML Time Series Cheatsheet

Dates



Time series configuration

Time series configuration options

Option	Description	Default	API Name
Objective fields	Selects the fields you want to predict. It needs to be a numeric field chronologically ordered.	Last valid field in dataset	objective_fields
Default numeric value	Replaces the missing values of your objective fields by spline interpolation, the fields mean, median, maximum, minimum or by zero.	Spline interpolation	default_numeric_value
Forecast horizon	Sets the number of data points that you want to forecast along with the time series creation	50	horizon

Model Components

Option	Description	Default	API Name
Error	Indicates if the error is multiplicative or additive.	All	error
Trend	Indicates if the trend is multiplicative (exponential) or additive (linear).	All	trend
Damped	Indicates if the trend damped, i.e., it will converge to a flat line at some point in the future, or not damped, i.e., it will grow indefinitely.	All	damped_trend
Seasonality	Indicates if the model has seasonality or not. The seasonality can be additive or multiplicative.	All	seasonality
Period length	Indicates the number of data points per period. By default, BigML automatically learns the period length within any series.	Auto	period



Evaluation configuration

Evaluation parameters

Option	Description	Default	API Name
Field mapping	You can specify which fields in the time series model match with the fields in the testing dataset. BigML automatically matches fields by name, but you can also match them by ID	By name	horizon
Range	Specifies a subset of the dataset instances from which to sample, e.g., from instance 5 to instance 1,000.	(1, max. rows in dataset)	range



Forecast configuration

Forecasts parameters

Option	Description	Default	API Name
Horizon	Sets the number of data points that you want to forecast.	Compulsory	horizon
Intervals	Sets the upper and lower bounds for the forecast. The interval represents the values that the forecast can take with a 95% of confidence.	True	intervals

Option	Description	Default	API Name
Initial date	Indicates the date associated with the first instance in the dataset.	Null	start
Row interval	The time window between your instances. You need to specify the number of units and the frequency.	Null	interval interval_unit
Final date	Indicates the date associated with the last instance in the dataset. It is calculated taking into account the initial date and the row interval. It is not configurable from the Dashboard.	Null	end

Option	Description	Default	API Name
Sampling	Specifies a subset of the dataset instances from which to sample, e.g., from instance 5 to instance 1,000.	(1, max. rows in dataset)	range