

# PMML Advanced Functions

Here's how to integrate a PMML model into your platform.

- 1. Save your model in the PMML (.xml) format.
- 2. Build a Yellowfin report with data you wish to generate predictions for.
- 3. Drag in a new column that is of the same data type as the prediction to be generated. For example, if your model returns a categorical prediction such as gender, you would want to use a text dimension.
- 4. Within the column formatting drop-down, click Advanced Function.

Columns		Σ Sum Invoiced Amount	Currency Code	● E
Rows		Sum Invoiced Amount		
Sum Invoiced Amount		Currency	Σ Aggregation	▶
\$34,399		EUR	Sort	▶
\$56,833		EUR	Format	▶
\$77,466		EUR	Advanced Function	▶
\$78,587		EUR	Group Data	
\$280,578		EUR	Totals	▶
\$280,885		CAD	Add Filter	
\$450,224		CAD	Hide Field	
\$514,967		EUR	Delete	
\$667,457		CAD		
\$673,124		EUR		
\$762,463		EUR		
\$781,888		EUR	1.62	
\$817,253		CAD	1.13	

- 5. Select the Statistical option from the drop-down and select the feature you wish to use.

Advanced Metrics

Advanced Function

Data Conversion

SaveCancel

Invoiced Amount (Numeric)

Σ # #! + % -

☒
☐
☐
☐
☐
☐

Display only in charts

☐

Select Function:

Statistical

PMML Model (Numeric)

Polynomial Regression

Quartile

Standard Deviation

Standard Score

PMML Model (Numeric)

Select a PMML Model and click Load. This will return a numeric result.

Attribute

Setting

User Prompt

PMML File

Complete path or URL for PMML file

Load PMML

☒ Reset
☐ Load

Step 1: Use 'PMML Model (Numeric)' to convert to Numeric

- Provide the full filepath or URL to the PMML file and click Load. If the file path has not been correctly specified, you will need to click Reset, adjust the path, and click Load again.

PMML File

C:\Users\Yellowfin\myModel.xml

Load PMML

☐ Reset
☒ Load

- If Yellowfin is able to load the specified file, detailed configuration options will appear.
- First, specify which model output result you would like to generate. This will often be just the Default Target, but can also include other variables.

Model Output

predictedValue

predictedValue

clusterAffinity\_1

clusterAffinity\_2

clusterAffinity\_3

Default Target

-- Select --

Income

Age

- Next, match the input columns required by your model, with the appropriate columns in the Yellowfin report.

Gender	<input type="text" value="Gender"/>
Age	<input type="text" value="Max Age at Camp"/>

10. Click Save.
11. Note: If there was a problem in processing the file, check that you have provided valid columns of the same data type required by the model, or look at the yellowfin.log file for a complete error description.

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