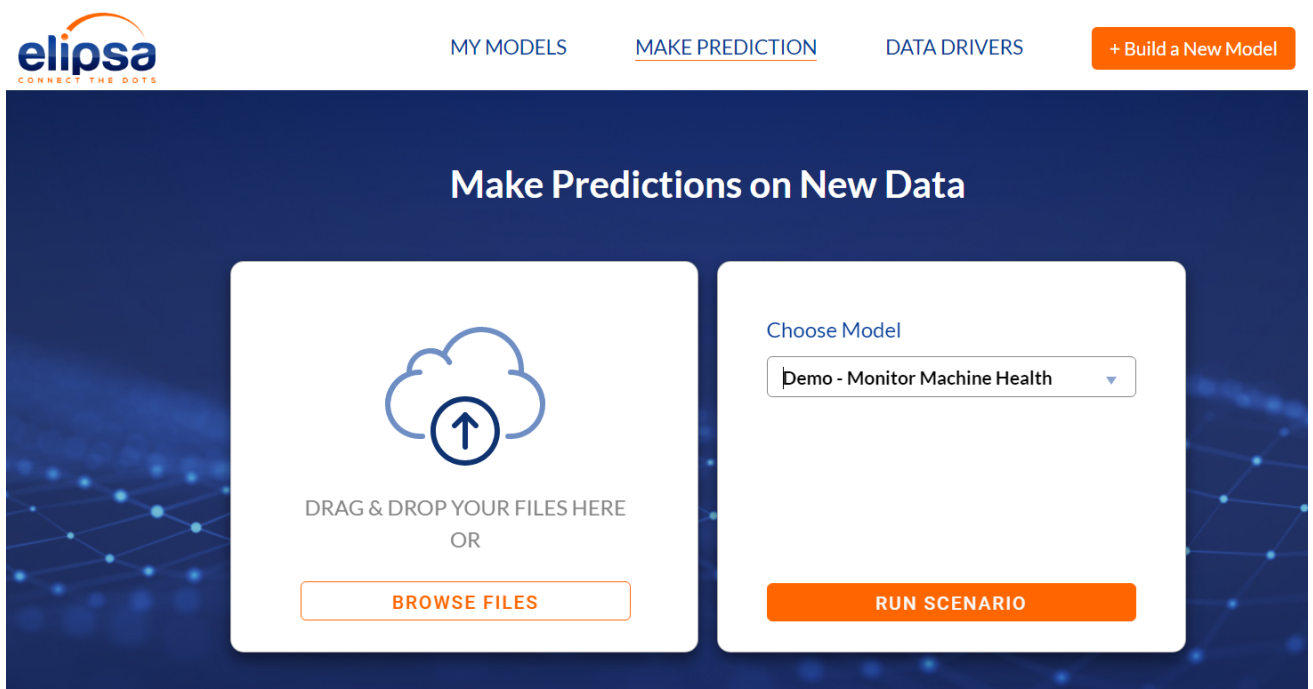


MAKE PREDICTIONS ELIPSA USER INTERFACE

The following is a step by step guide to walk users through making predictions via the elipsa web interface.

Through the elipsa web interface, users can make batch predictions on a list of datapoints stored in a csv or Excel file. There are two methods to navigate to the appropriate place to make predictions in elipsa.

Method 1



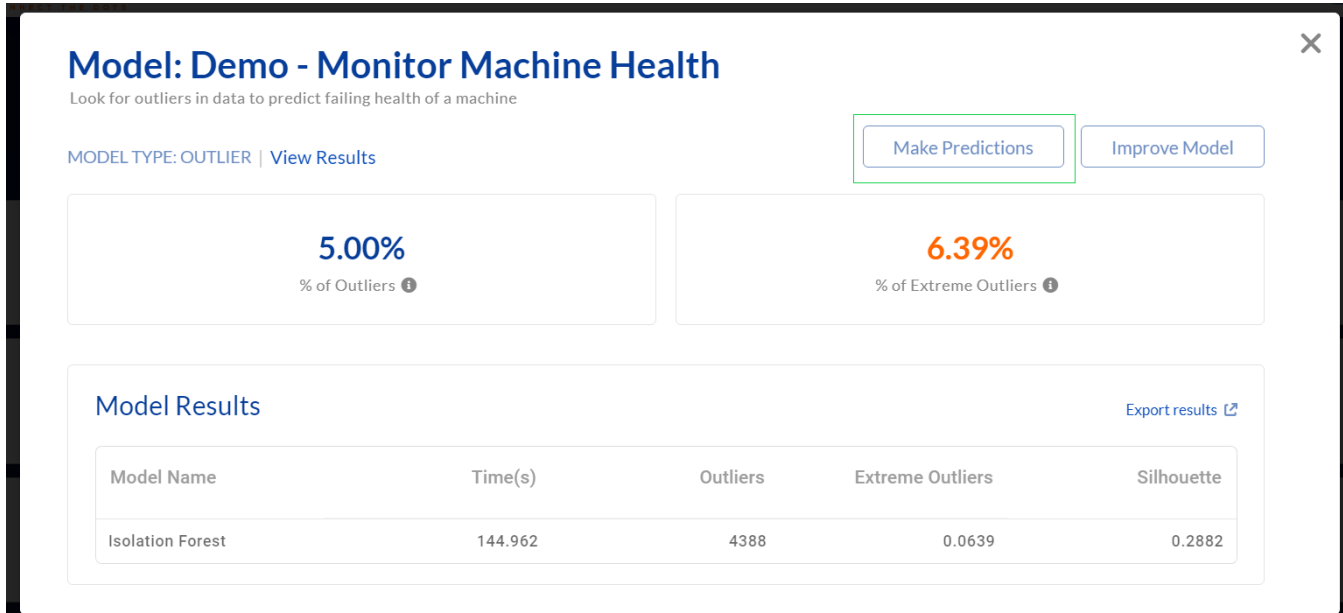
The screenshot shows the Elipsa web interface. At the top, there is a navigation bar with the Elipsa logo (a stylized 'e' with a red arc) and the tagline 'CONNECT THE DOTS'. To the right of the logo are three links: 'MY MODELS', 'MAKE PREDICTION' (which is underlined), and 'DATA DRIVERS'. Further right is an orange button labeled '+ Build a New Model'. Below the navigation bar is a large dark blue section titled 'Make Predictions on New Data'. This section contains two white panels. The left panel features a cloud icon with an upward arrow inside a circle, followed by the text 'DRAG & DROP YOUR FILES HERE OR' and an orange button labeled 'BROWSE FILES'. The right panel has a 'Choose Model' dropdown menu currently showing 'Demo - Monitor Machine Health' with a downward arrow, and an orange button labeled 'RUN SCENARIO' at the bottom.

In the first method, the user can navigate using the Make Predictions link on the top menu. This will bring the user to page as shown above. From this page, the user can upload a csv file with new records that they are looking to make predictions on via the left pane. On the right hand pane, select the model that you wish to run predictions against from the dropdown. Clicking Run Scenario will run the data through the model and make predictions in batch mode.

MAKE PREDICTIONS ELIPSA API

Method 2

Under the second method, the user starts on the My Models page. By clicking on a specific model, the user will be taken to the model detail view as shown below.



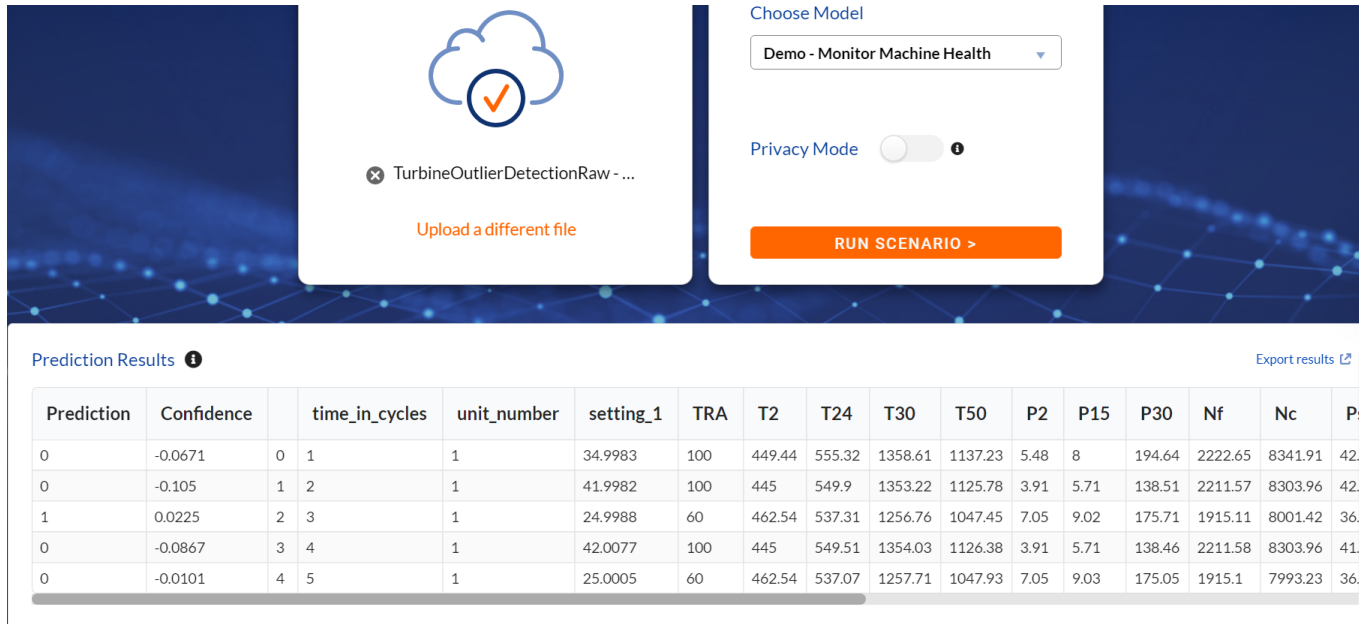
By clicking on the Make Predictions button (shown in the green box above), the user will be taken to the screen to make predictions as shown in method #1; however, the model to make predictions against will be auto-populated to be the model that you selected on the My Models page.

Similar to method 1, clicking the Run Scenario button will take your uploaded file and make predictions in batch mode against the selected model.

MAKE PREDICTIONS ELIPSA API

Predictions Results

Under both methods, the results section will show the contents of your uploaded file, as well as a prediction for each row against the model.



Choose Model

Demo - Monitor Machine Health

Privacy Mode ☐ ⓘ

RUN SCENARIO >

Prediction Results ⓘ

Prediction	Confidence		time_in_cycles	unit_number	setting_1	TRA	T2	T24	T30	T50	P2	P15	P30	Nf	Nc	P
0	-0.0671	0	1	1	34.9983	100	449.44	555.32	1358.61	1137.23	5.48	8	194.64	2222.65	8341.91	42.
0	-0.105	1	2	1	41.9982	100	445	549.9	1353.22	1125.78	3.91	5.71	138.51	2211.57	8303.96	42.
1	0.0225	2	3	1	24.9988	60	462.54	537.31	1256.76	1047.45	7.05	9.02	175.71	1915.11	8001.42	36.
0	-0.0867	3	4	1	42.0077	100	445	549.51	1354.03	1126.38	3.91	5.71	138.46	2211.58	8303.96	41.
0	-0.0101	4	5	1	25.0005	60	462.54	537.07	1257.71	1047.93	7.05	9.03	175.05	1915.1	7993.23	36.

Prediction and Confidence

All predictions will return a Prediction column. For outlier models, this prediction will be a 0 (normal) or 1 (for outlier). For predicting a model, the prediction will be a 0 or 1 based on the class predicted. Lastly, for predicting a value, the prediction will be the actual value predicted.

Outliers and Event predictions will also return the confidence that the system has assigned to the prediction. Value predictions do not include confidence scores and thus will return the prediction only.