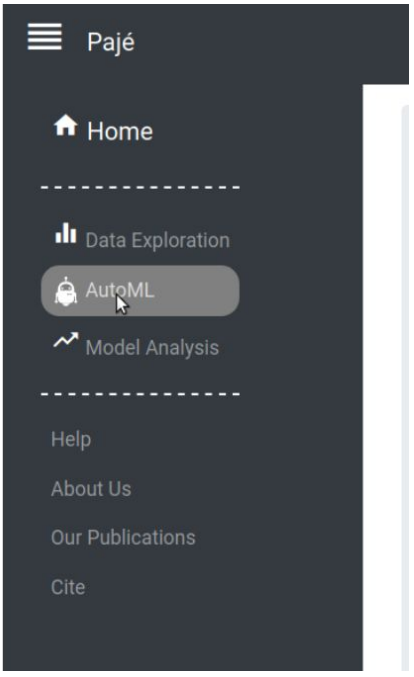
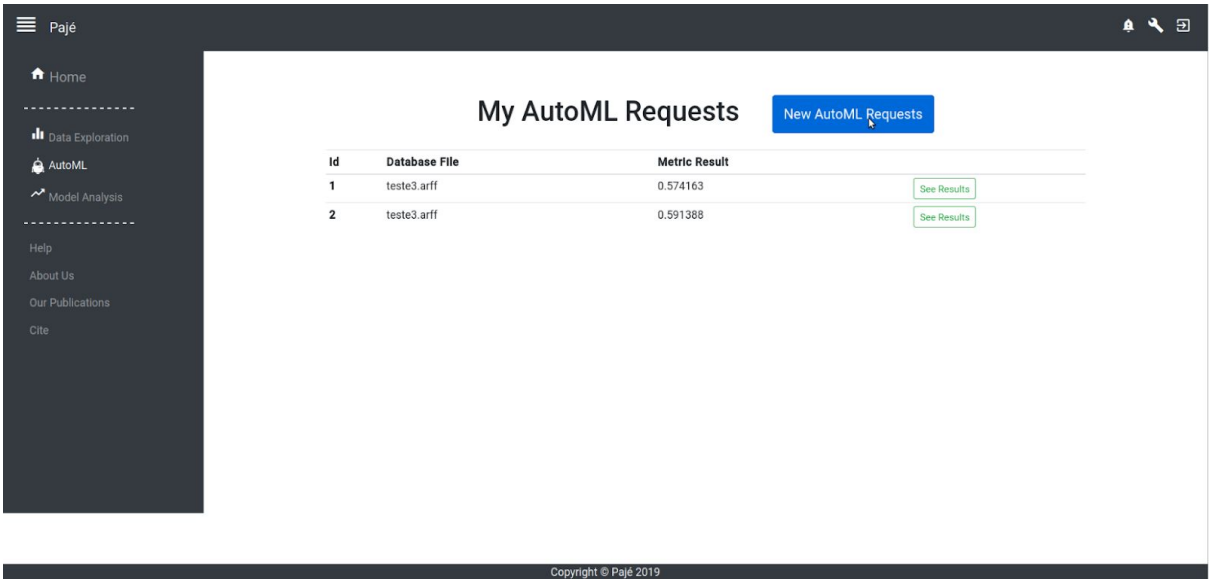
How to Use Auto ML Section - PAJÉ WEB

This guide has the goal to teach how to use the AutoML section in the Pajé Web website.

1. The first step you have to do is access the respective tab through the nav bar in the left side of the screen.

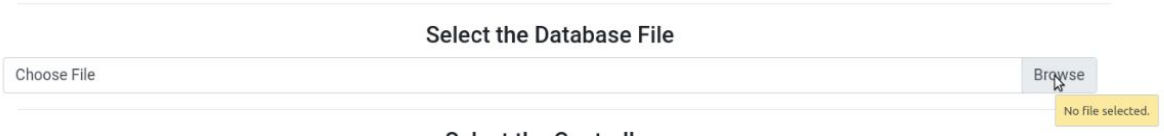


2. After you press the button AutoML in the nav bar, you will be redirected to the AutoML main page. This page has a list of autoML requests already created (if you don't have any, this means that you haven't created any request yet) and have a blue button to insert a new autoML request. Let’s click in the blue button to create a new request.



3. You are now in the section to insert a new request. You are seeing an input field to insert the dataset file of the request and a list of AutoML's Optimizer types to choose whatever you want (in the image just have the RandomAutoML). Insert the dataset file and select the optimizer (the optimizer selected is blue) and then click in the "Next Button" (the yellow one).

- Inserting the database file (the file type must be .arff or .csv):



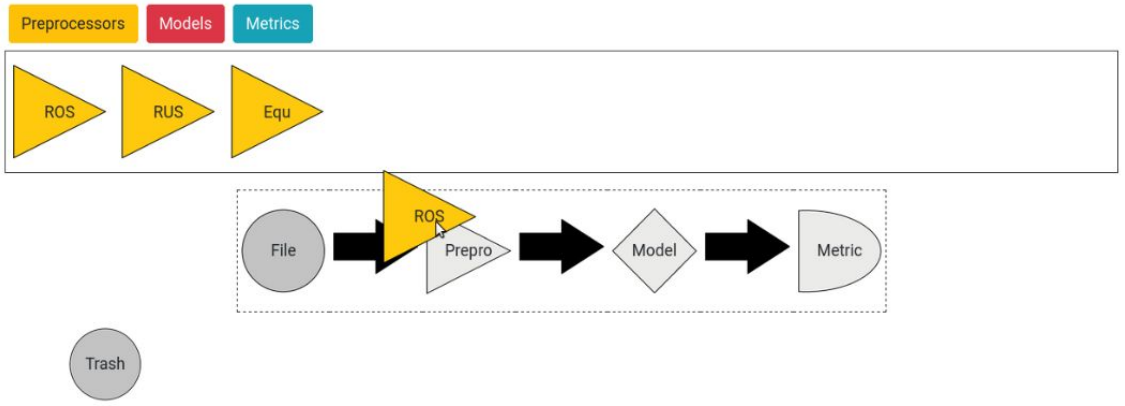
- Selecting the Optimizer:

- Next Button:

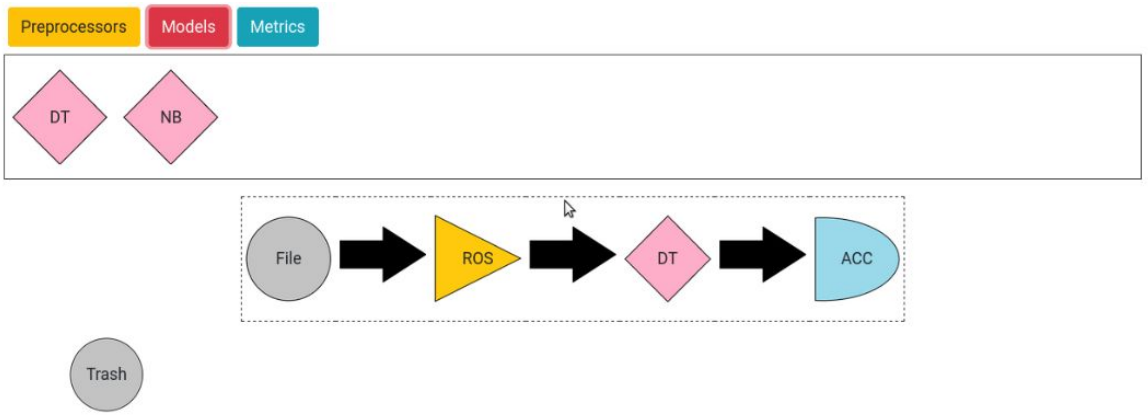
4. You are now in the section to choose the components (Preprocessors, Models) that will be considered when the Optimizer searches for the best pipeline for the Metric selected (the Metric is selected here together with the other components).
This section works with Drag and Drop of components in the pipeline. For better understanding, let's gonna choose a pipeline:

- Click in the preprocessor button to list the preprocessors available to use:

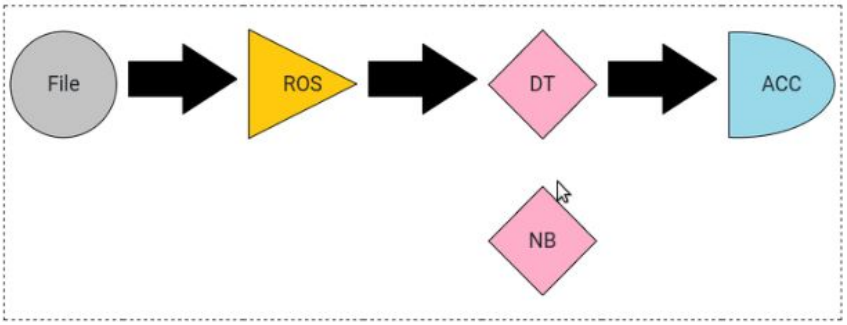
- Drag and drop the preprocessor in the pipeline to add it:



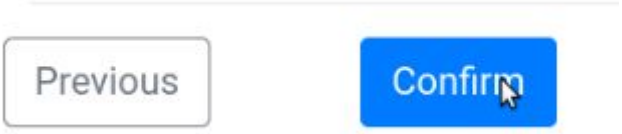
- Now do the same for the Model and the Metric, and at the end you will have something like the image below:



- You can add more preprocessors and models in the pipeline to the optimizer consider all of them. To do this you need to drop the component into another of the same type(for example, drop the second model in the model inside the pipeline). If you drop the component in another part of the pipeline, the new component will replace the odd one. See the image below:

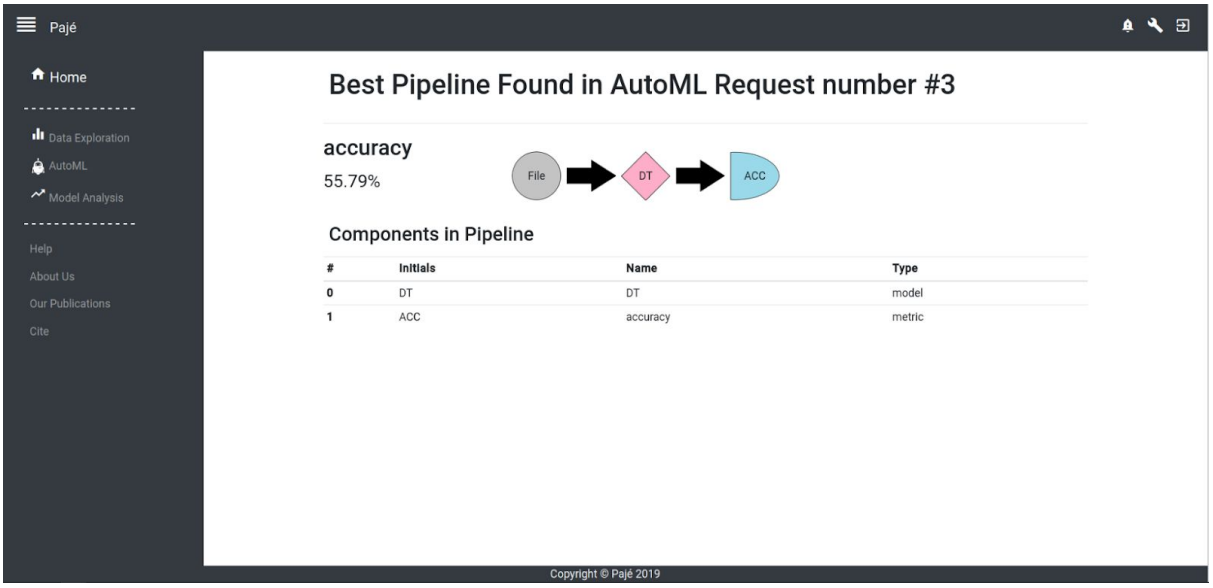


5. After choosing the pipeline, click in the “Confirm Button”, and you will be redirected to the AutoML main page again.



6. In the AutoML main page, you can note that we have a new request in the list, the one we just created. Its status is probably going to be “Processing”. Just wait for a few seconds and reload the page to see if it's finished with processing.

7. After the AutoML request is finished processing, “See Results Button” will be available. Click in the button and you will be redirected to a page that contains the information of the best pipeline found by the optimizer and the metric score that it hits.



We have reached the end of this guide. I hope this was useful to you, thanks for reading.