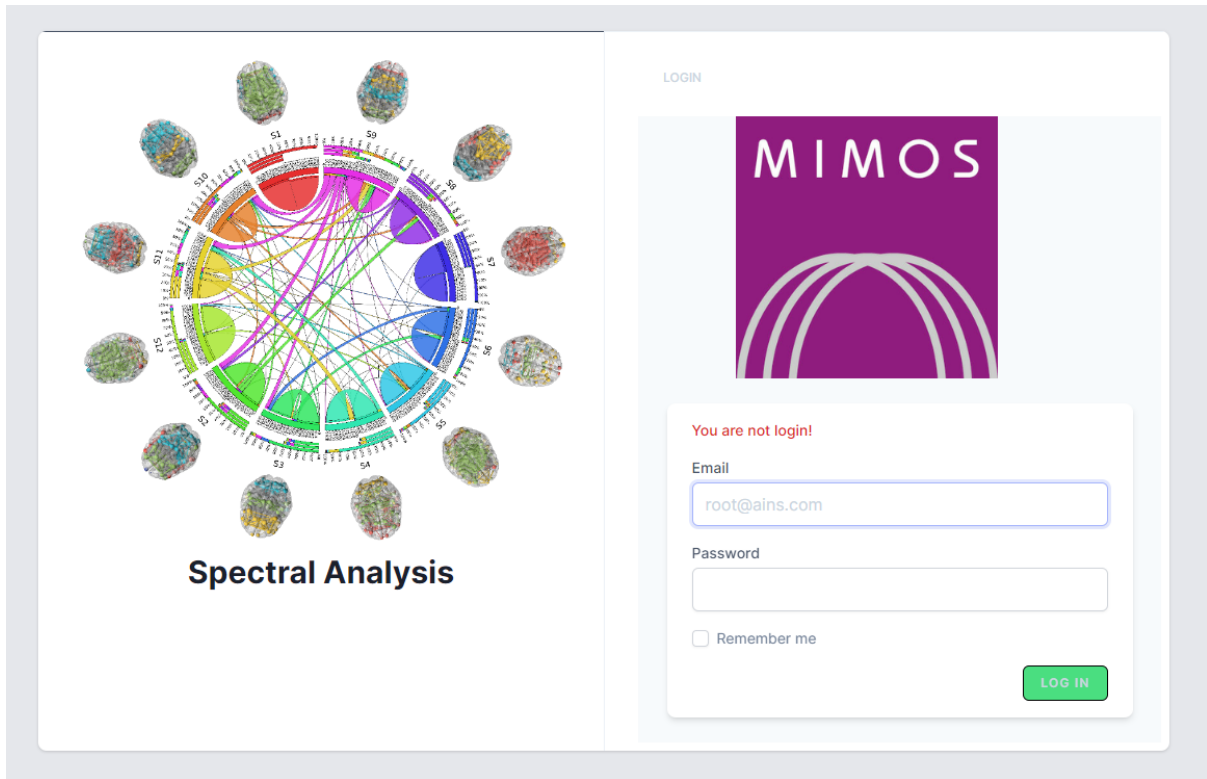# SPECTRAL MIMOS APPLICATION TOUR GUIDE
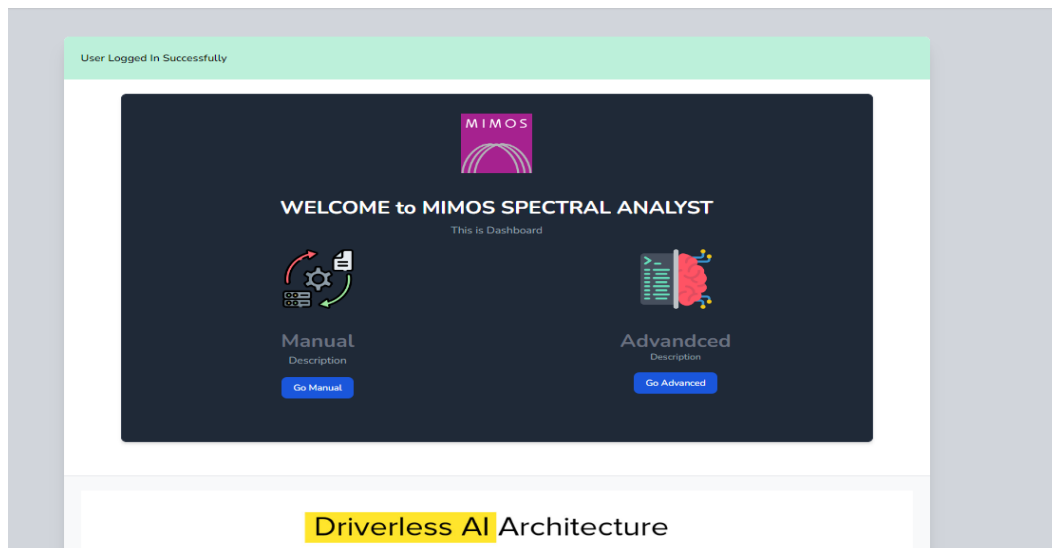
H2O AUTOML

   1. **Landing Page and Login**

2 ways to access this page, if using command php artisan serve, then access url localhost:8000. if using laragon as server host, we can access in url spectral_mimos.test. we must got username (emalil) and password from mimos, before login to system.
by default we just using "root@ains.com" as username, and "password" for password.
this data will direct to mimos server to check data, if success, will show page Dashboard if wrong, will show notify *"Email & Password does not match with our record."*

2. Dashboard Page

If your data login success, sistem show Dashboard page, in dashboard page have two option, Go manual and go Advandced. In Goto Manual Option, have 3 AutoML Option; H2O,AutoKeras and AutoGluon.
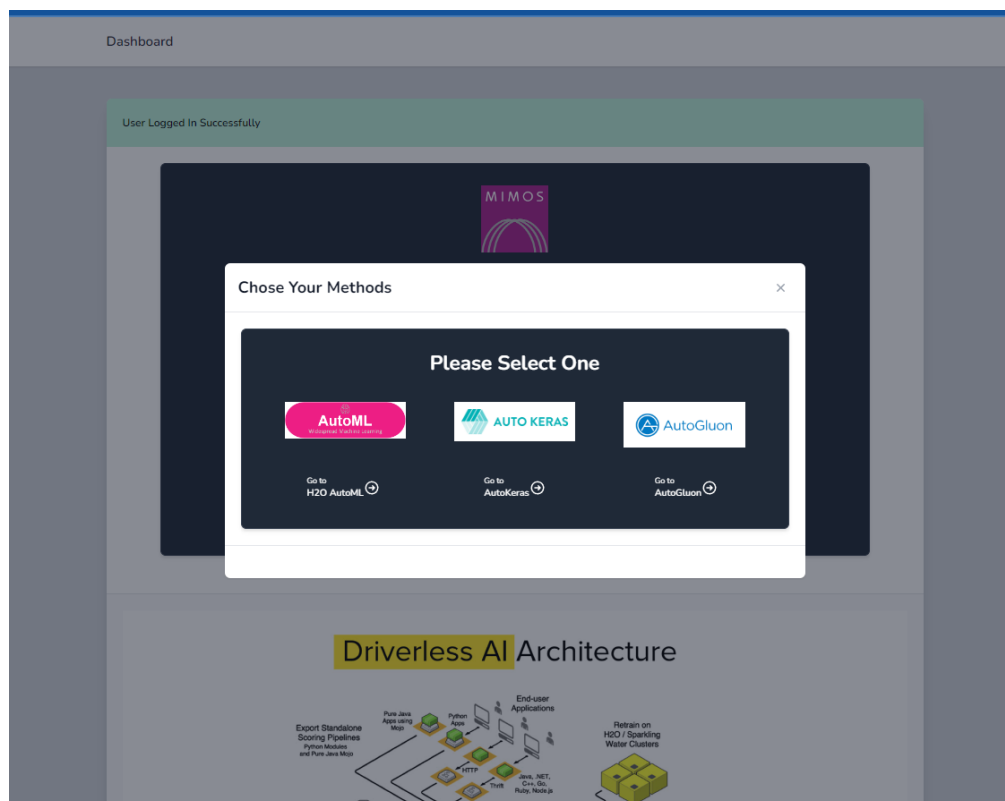
3 type of AutoML in this System, AutoML H2O, Auto Keras and Auto Gluon

A. H2O AutoML

1. Input Data Page.

a. Project List

When you are in page "input data", the system automated retrieve data from mimos API after communication portal between mimos server with token identification. Portal got token after successfully login. in this page,displayed two dropdown list, 1. Project list (as parent) and Batch List (as child).

b. Batch Data

After selected Project ID,system shown Batch data (ID and Name) then type project name to save to local database as .csv file. once you select Project ID,Batch ID and file name then submit to server, portal send data to mimos server then Download data by data submit.

2. Preprocessing Page

in Preprocessing page displayed data filename and project name saved in local data after downloaded by page input data. Automatically, file name and project name renamed by portal combination project ID,Batch ID and title by your typed. field Train Ratio,Validation and Test Ratio totally must 1. if under or above, system displayed alert. And check box data for model your choice to processing data. Data on this form submit to python engine http://127.0.0.1:5052/trigger_process.

3. Training Page

this page to submit data to training machine by project name data and type (classification or regression) . if data successfully processed, output data displayed in the right side. for detail data just click in "done" button.

Detail Project

this is sample page for detail output project type regression

this is sample page for detail project type classification

4. Output

This is output list, for show detail you must choice Regression or Classification

Output for detail regression

This is sample page for output data regression, user can voice Download to save data or view image to show image.

View Images
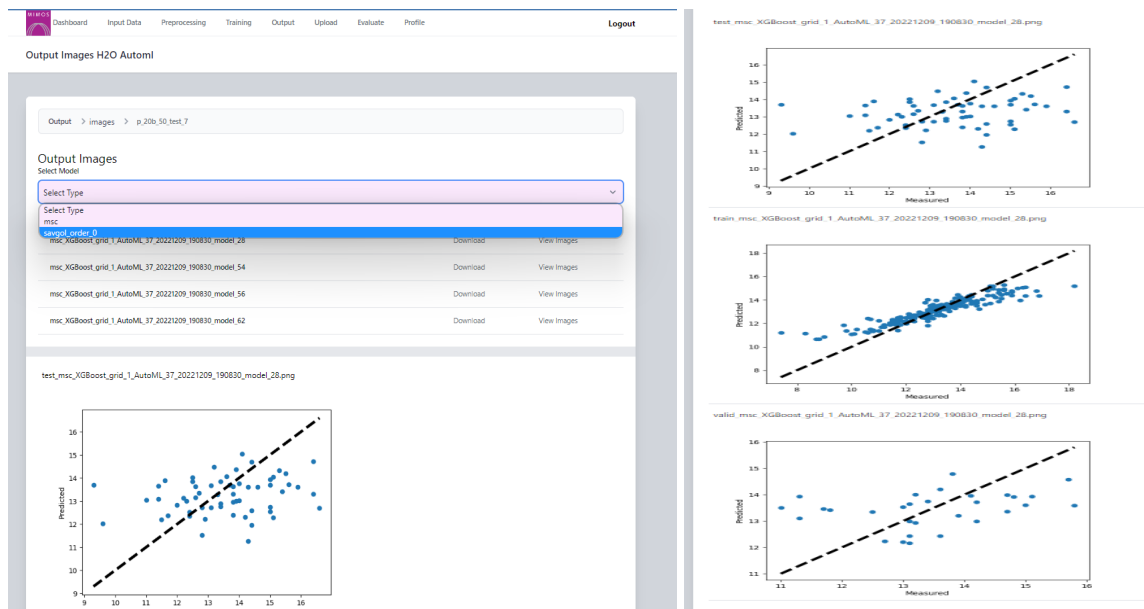
This is List data of images in output and type regression

Output for detail Classification

This is Sample data of output in classification type

Show Image Classification type
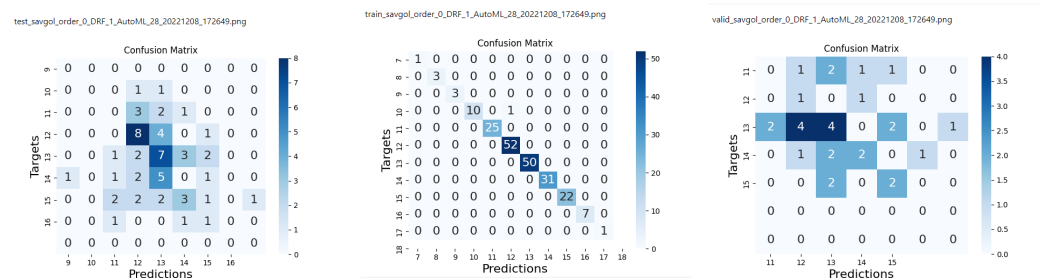
3 Samples of output image with type classification

5. Upload Page

this is Upload Page, to upload data has processed to mimos server,
Upload file and Upload Model.

6. Evaluate / Prediction Page

if project not displayed in list, user can download it.

Evaluate Page

Select Project Name

p_20b_50_test_7   ⌄

Select Filter

classification   ⌄

Select Model Type

savgol_order_0   ⌄

Select Model File

savgol_order_0_DRF_1_AutoML_28_20221208_172649   ⌄

Select Summary Status

Enable   ⌄

Upload file

Select Filename   ⌄

Input Row

From Row

input Row

☐ Multiple

POST

This is Page for Submit data to prediction / Evaluate