Initial Alpha User Manual

Note: This Manual is specific to the very first release.

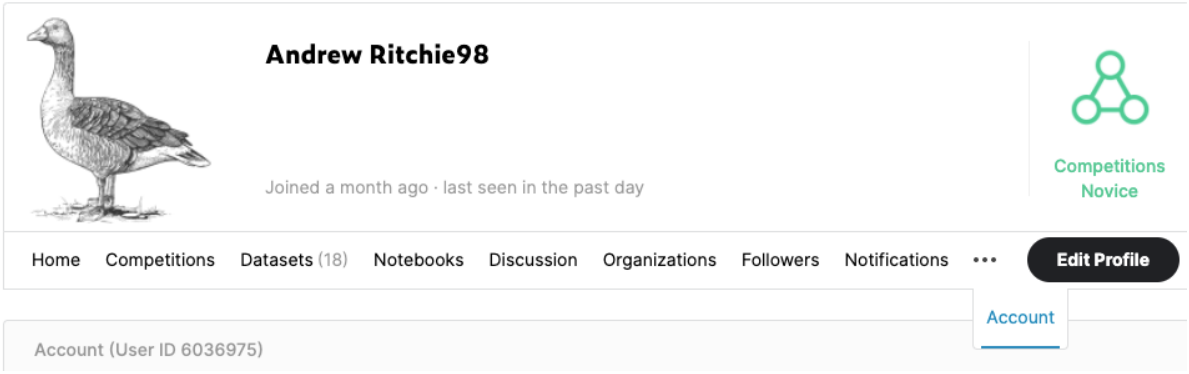
Welcome!

URL: http://euandrewritchie.eu.pythonanywhere.com/
Note – For the first time you access the alpha, you will be asked for a username and password. Please use these credentials.

Username: hello
Password: world

Kaggle

In order to use this application, you need an account with Kaggle. Once you have made an account please go to the "Account" page located bellow.



Go down to 'API" and click "Create New API Token".

- This will download a json file that includes your Kaggle USERNAME and KEY.
    - These are your credentials the application.

NOTE: If you click "Create New API Token" again, you will create a new password. You must use the most up to date credentials.

General Comments

To ensure that everyone has a consistent view of the application, please access it using google chrome. Although it works with other browsers the display can be skewed. This will be fixed in the next release (full alpha).

While processes are occurring, please keep an eye on the browser tab at the top of the screen. This will display "updating" when an action is taking place. In the future we will look to include progress bars within the application to make this obvious.

Prepare Page

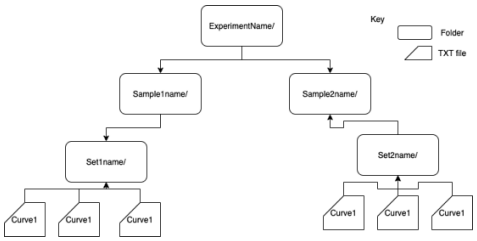
Uploading an Experiment

To upload an experiment please navigate to the prepare page.
Note: this alpha release only handles new optics11 files (this will be changed in the next release)

Under “Upload Experiment” click “Drag and drop or Select Files” and select your ZIPPED experiment.

Experiment Structure

Experiments must be stored using a three-tiered structure. As shown in the diagram bellow.



Please ensure you upload this as a zipped file.

Performance

The combined conversion rate and upload speed results in a total upload time of one second per curve.

Interacting with data

Once the experiment has been uploaded, please click the ‘Data Overview” button. This will give an overview of the uploaded data.

In order to display data please select you forward and backward segments. For optics11 this is typically…

Forward = 2
Backward = 4

Once you are ready to upload this dataset to Kaggle, please click the “Convert” button on the bottom right of the main component.

Uploading to Kaggle

To upload to Kaggle please enter your username and key. Then enter an experiment name bellow. This is asked for twice to populate an ID as well as the title.

Click upload to push data to Kaggle. Again please keep an eye on the browsers tab showing the action is being preformed by displaying “updating”. This should take between 10 and 20 seconds depending on internet speeds.

Analysis Page

In order to analyse your dataset (or another public dataset). Please enter your Kaggle credentials in the top left on the analysis page.

Hit “log in” and all available datasets will be displayed. If you want to inspect the meta data for each set, click “overview” under features as well as the set you want to inspect.

Click download to interact with your chosen dataset and select the set of curves you want to analyse.

To make up a chain of analysis features please only select the following features in the same order. Please ensure each feature has finished processing data by inspecting the “updating” sign displayed on your current tab.

FILTER1
INSPECT
INDENTATION

OR

FILTER1
INSPECT
ELASTICMOD

To interact with just one feature please select “overcp” and click on a curve to calculate the contact point.

Note: The main analysis feed is currently limited to only three components at a time.