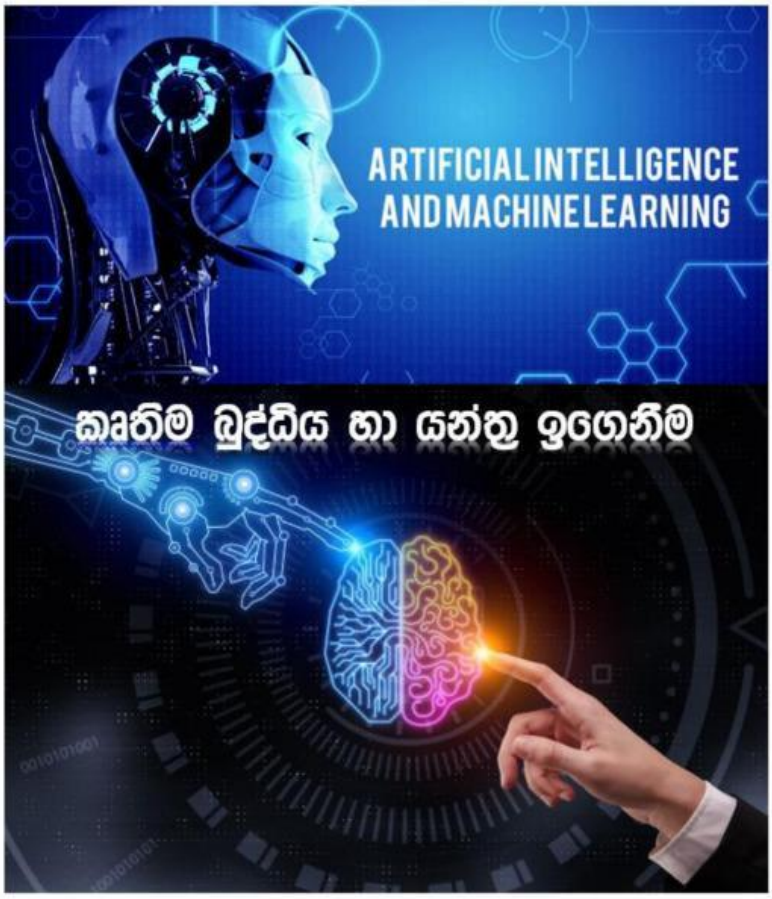
Project 164

DP EDUCATION

Coding School

AI and Machine Learning

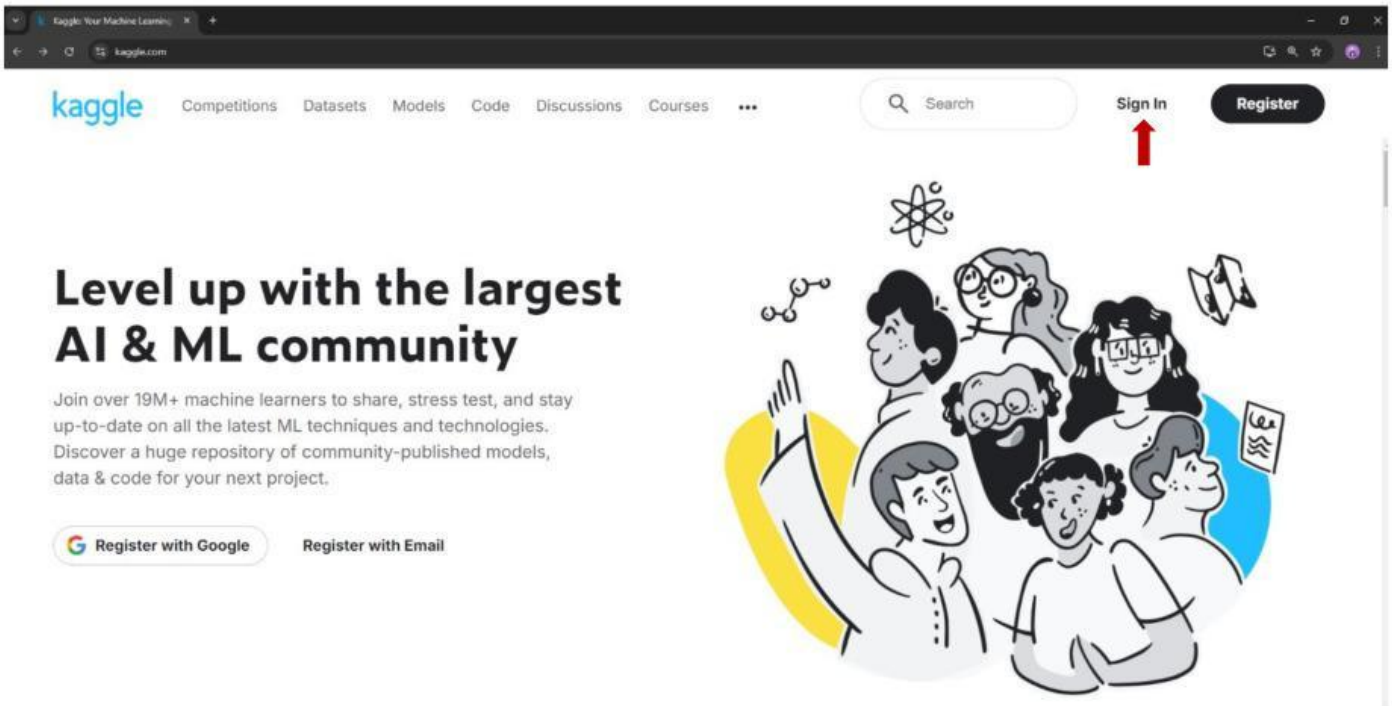


Start here

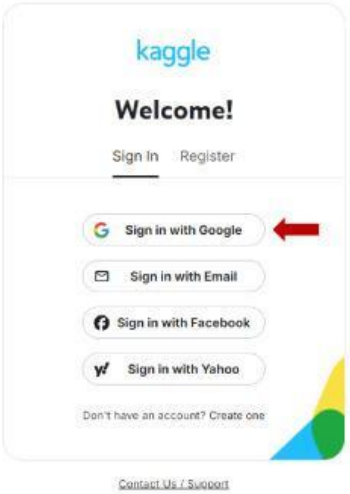
- Here we will see how to train our dataset using AI and machine learning lab in Code.org and create a mobile app using it.
- First find a dataset according to your requirement.
- Here, the Kaggle website is used to select a dataset, and thus a dataset can be obtained easily and for free. The link of that website is below.

https://www.kaggle.com/

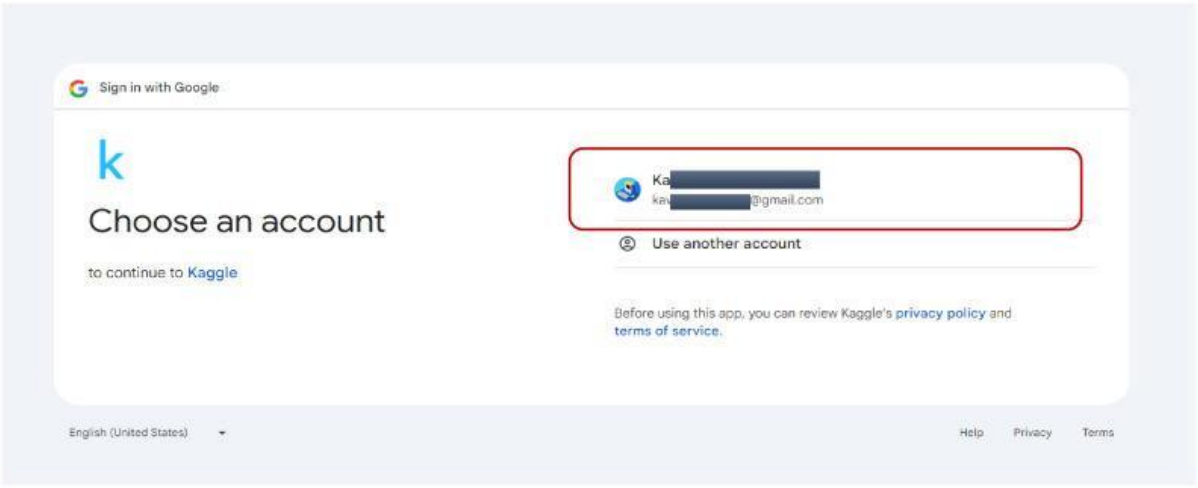
- First of all, you have to sign in for that website. Click on the sing in button for that.



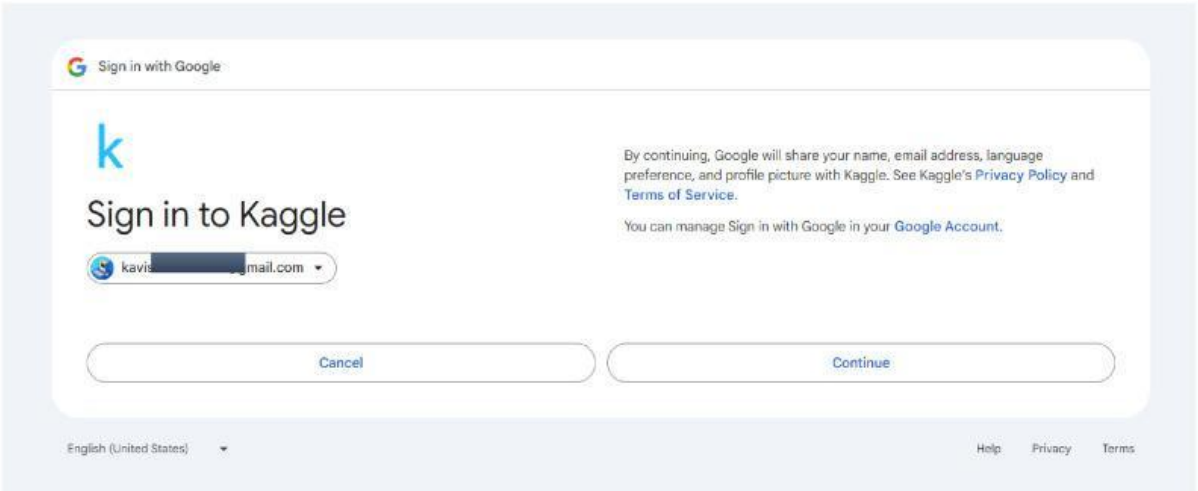
- Then a page like below will be loaded. Here we select Sign in with Google and sign in to the kaggle website.



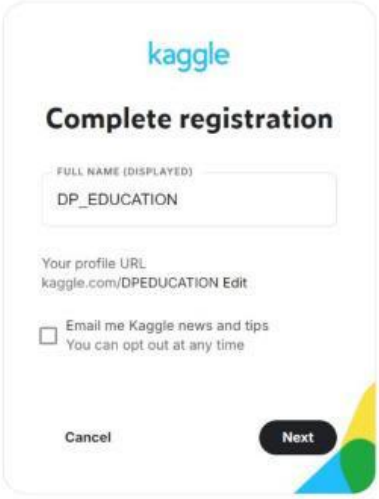
❖ Now select your email and sign in.

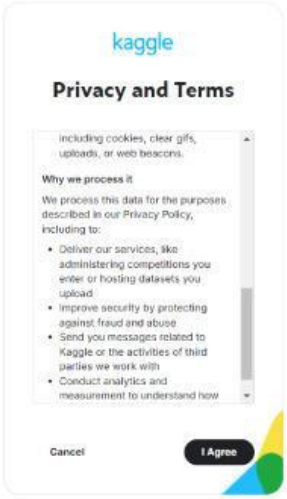


❖ Now click on the continue button.

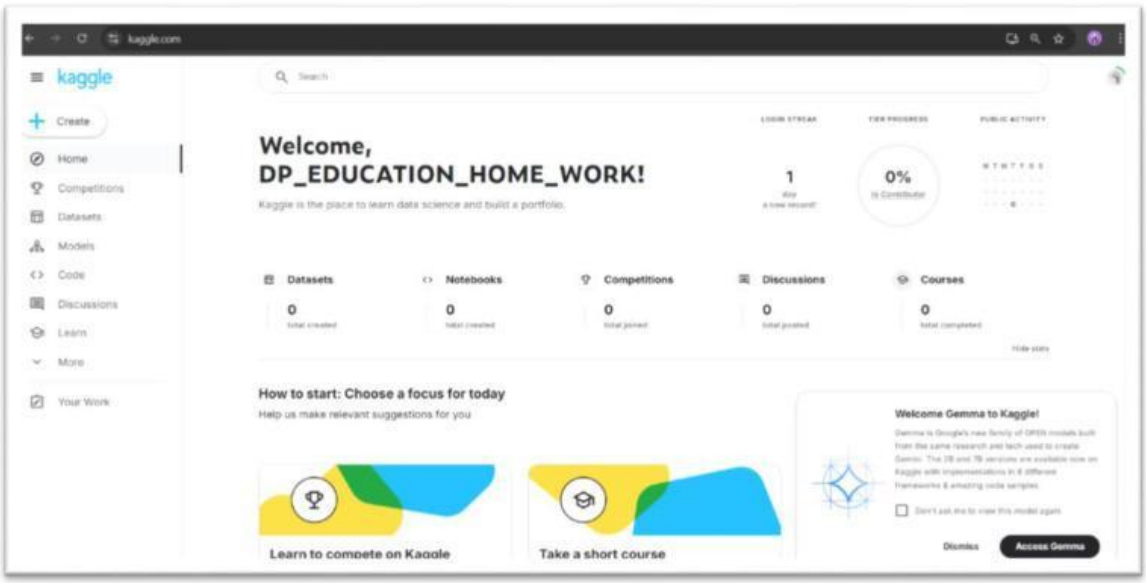


❖ Now provide a username for your account.



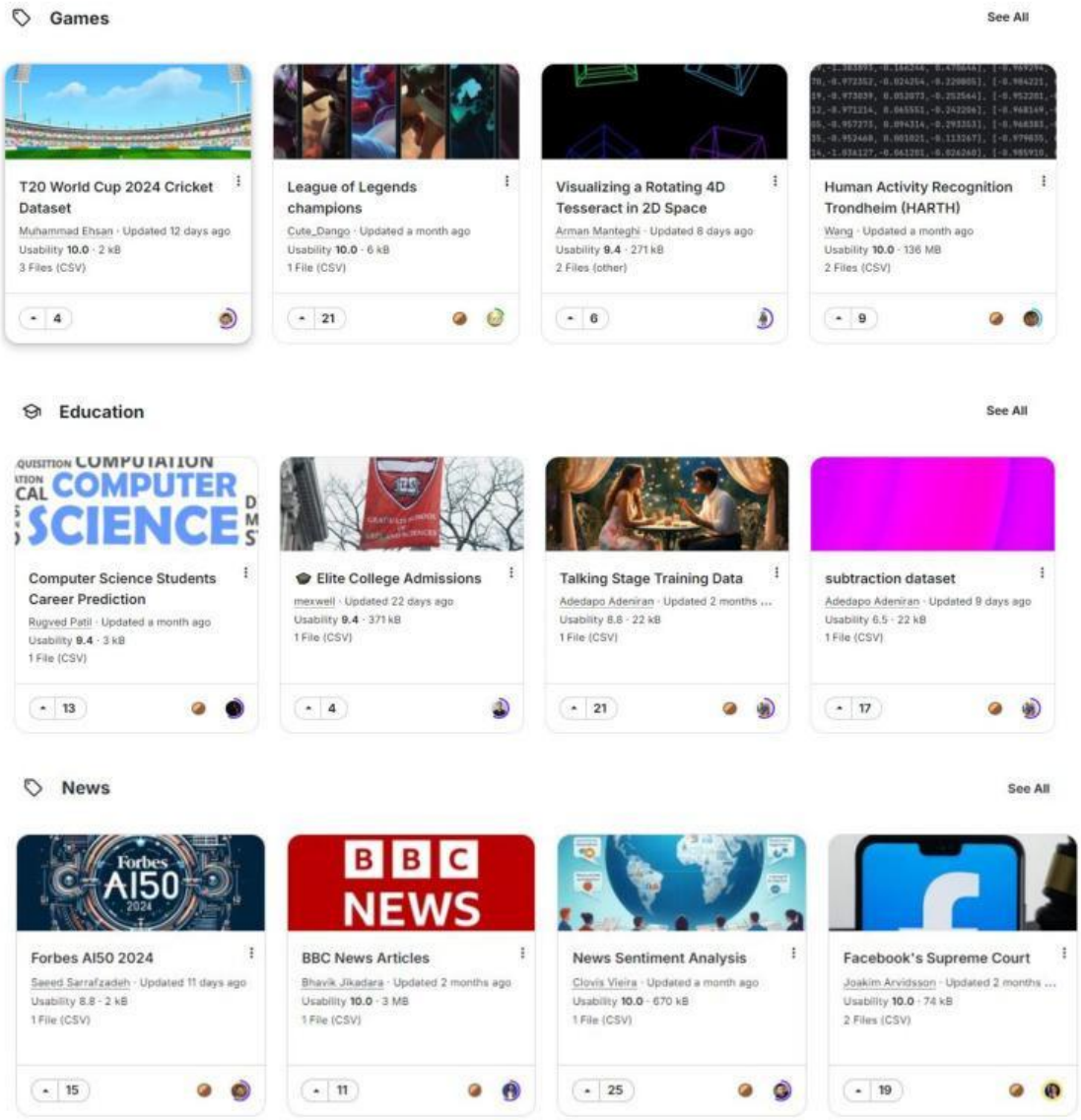


❖ That username should be unique username. That is, someone else should not have a username with that name.
❖ Now click on I Agree button and complete your account permanently.
❖ Then the account you created on the kaggle website will be displayed as follows.



❖ Now you can get the required dataset through this website.
❖ Now click on the Datasets tab in the side bar.

❖ Here you can get the dataset according to each topic.

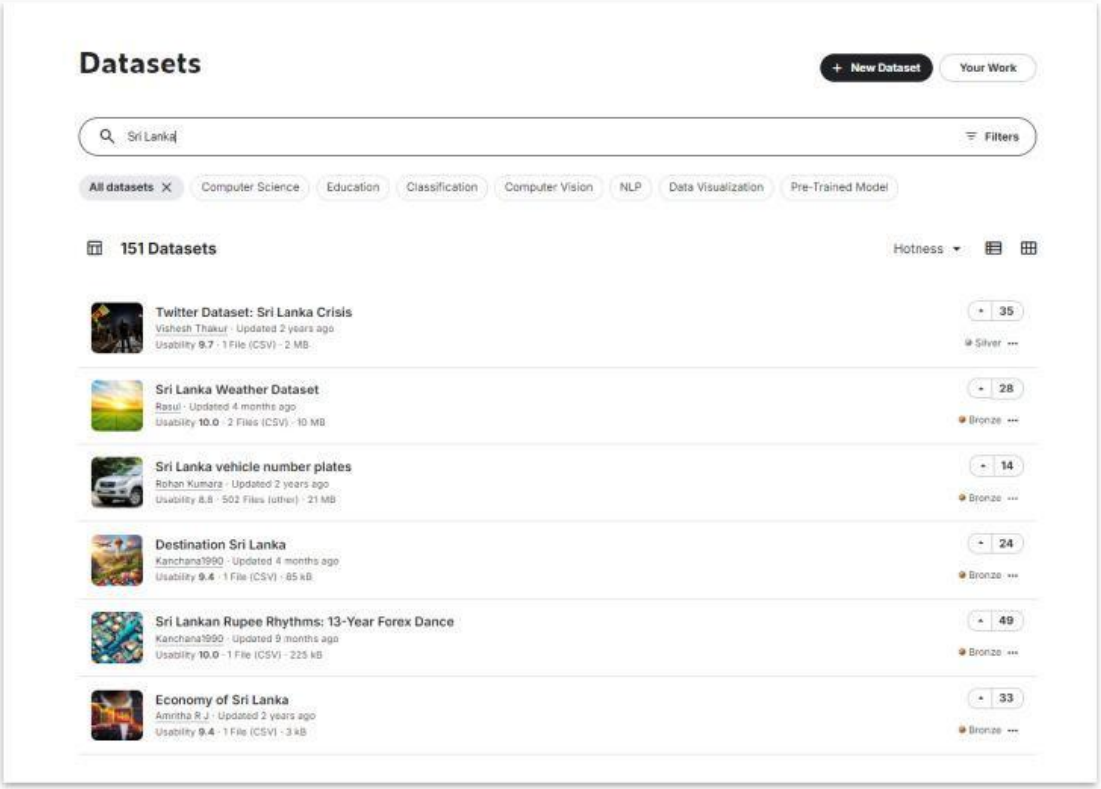


❖ Each topic has a dataset as above. And when you click on see all, you can see more datasets related to that topic. You can find a dataset you need here.

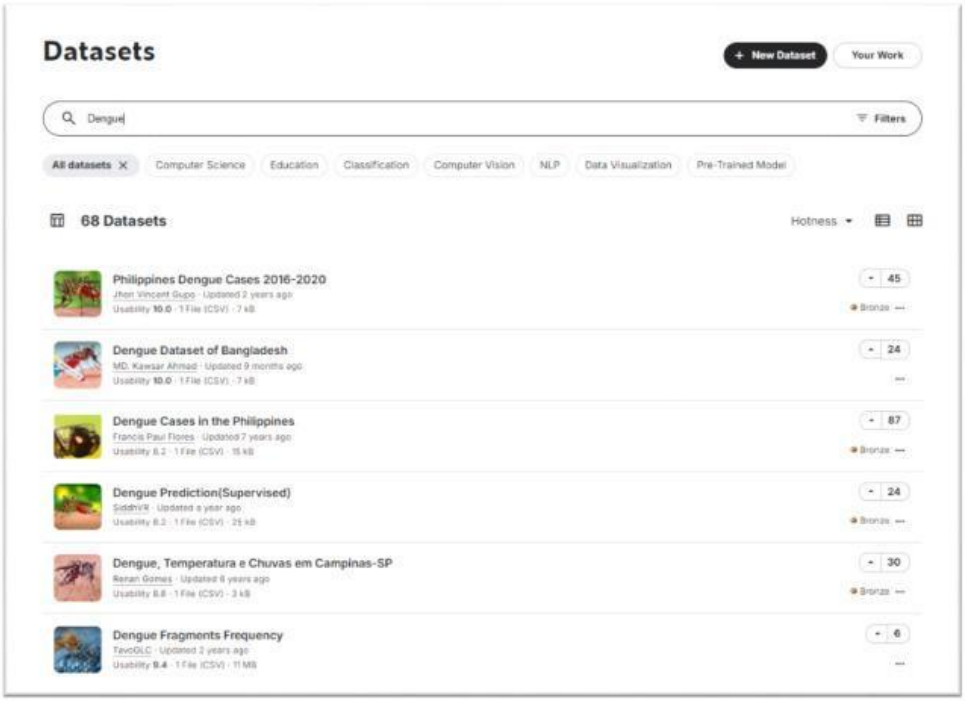
❖ And you can use the required dataset by the search bar here.

❖ Let us search which dataset is related to Sri Lanka.

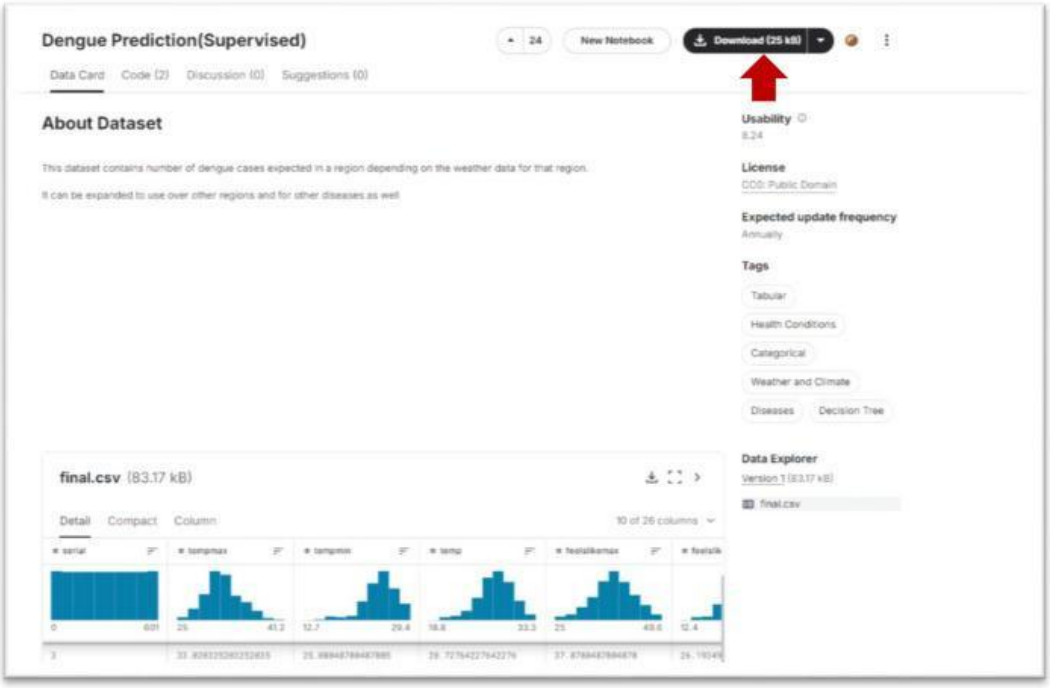
❖ You can also search according to the topic you want and download a dataset you want.



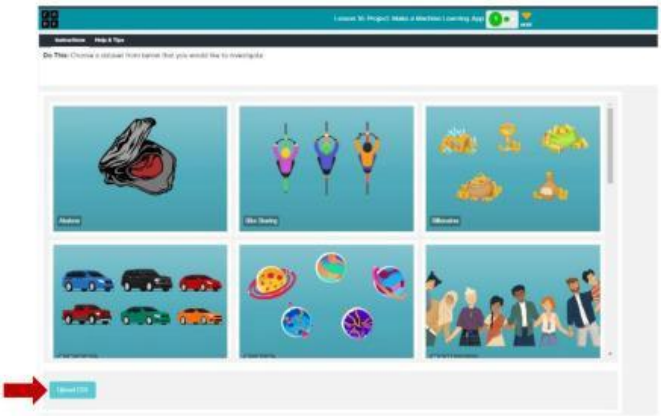
❖ Let's assume that we want to train a dataset related to dengue disease and prepare a model. For that, a dataset should be found first.

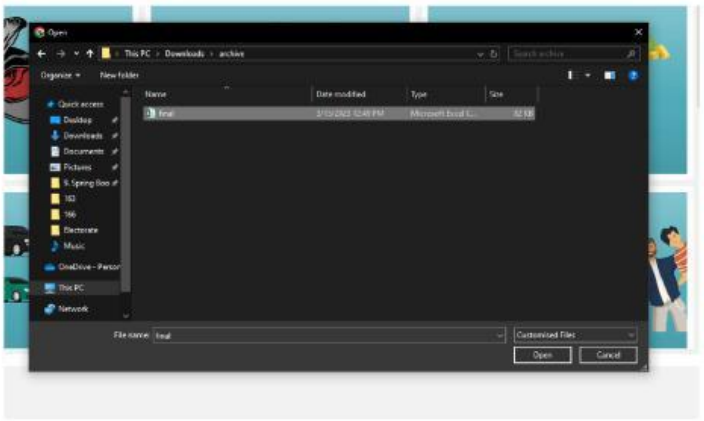


- Then 68 datasets related to dengue are displayed on the kaggle website.
- Among those datasets, the Dengue Prediction (Supervised) dataset is selected. Now click on that label.

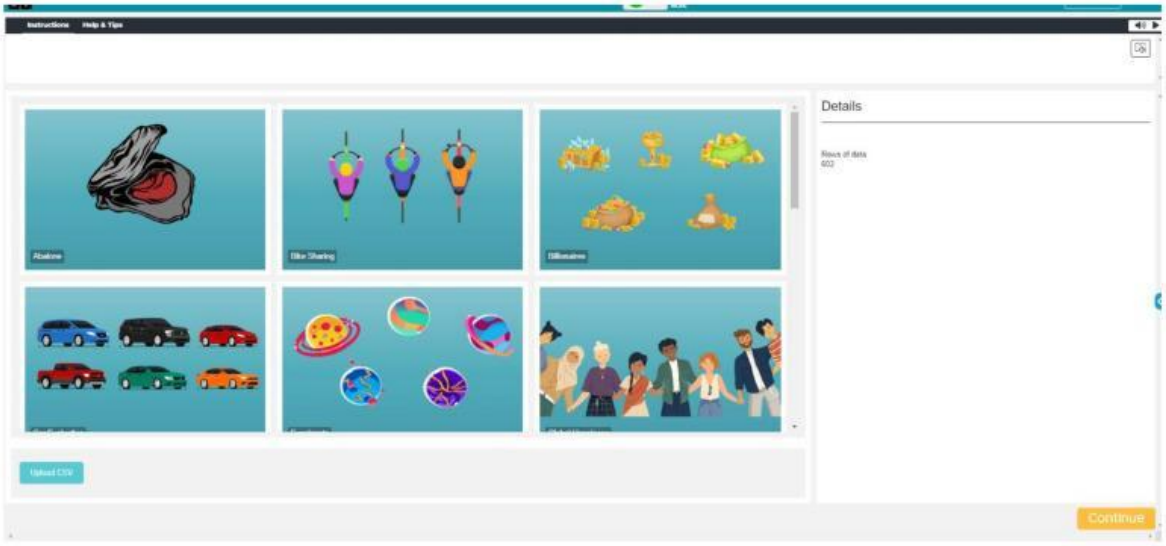


- Now click on the Download button and download the dataset.
- Then a zip file will be downloaded. Extract that zip.
- Now go to Al and machine learning lab and upload that data set.

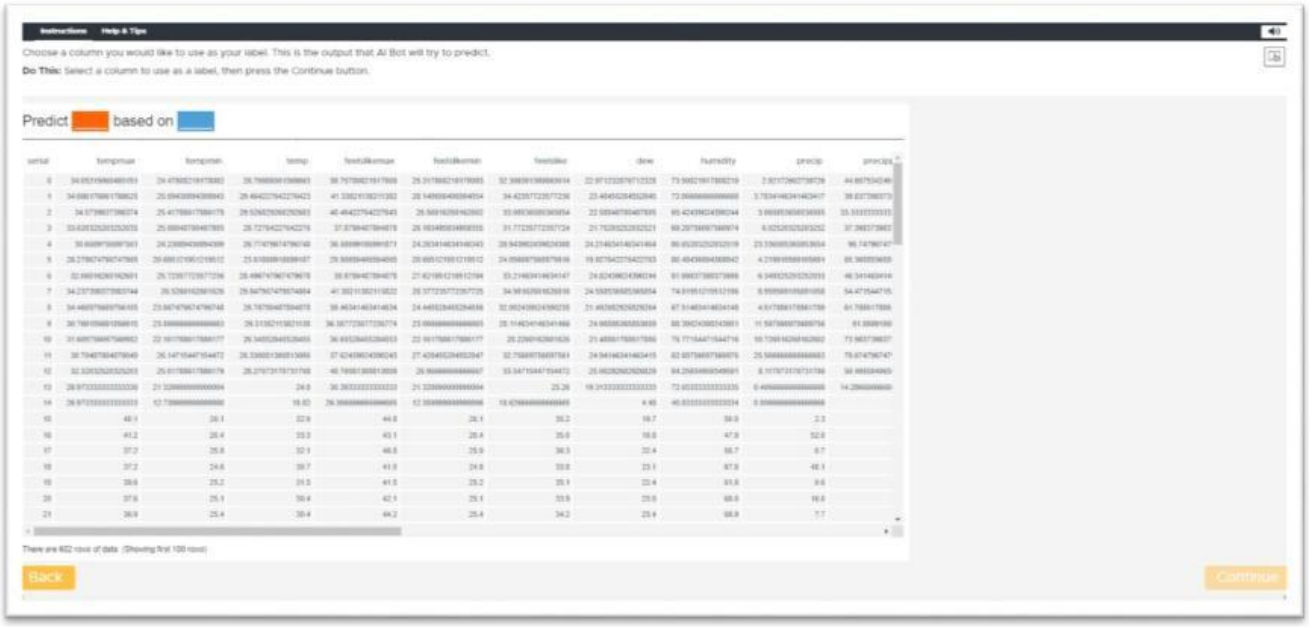




❖ Now click on the Continue button.



❖ Then the dataset we downloaded has been imported into Al and machine learning lab as follows.



❖ Now train the dataset as you want.