

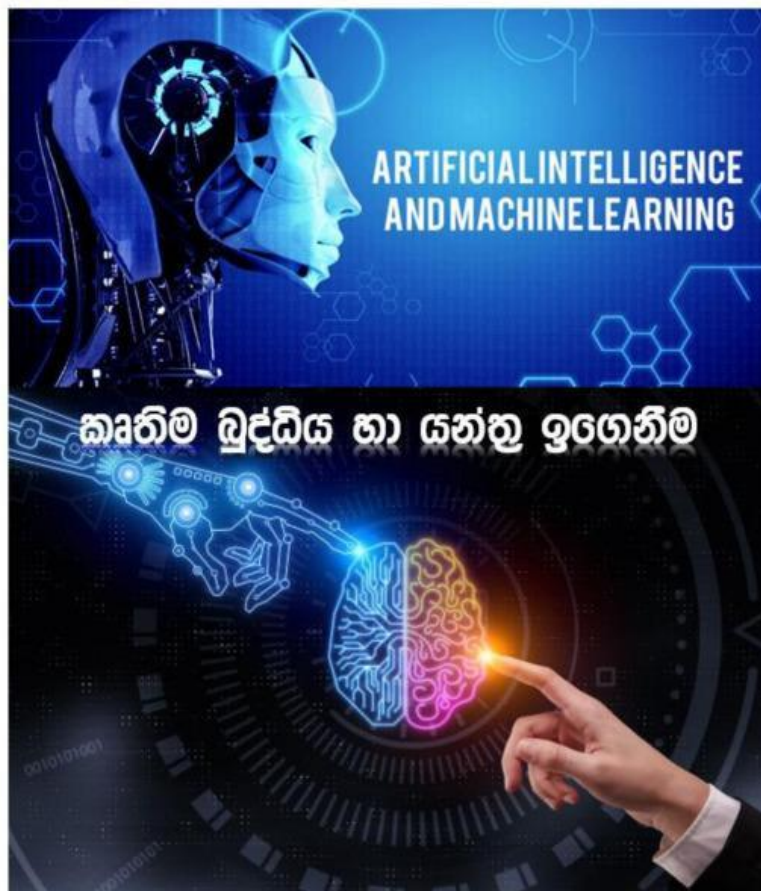
Project 164



**Coding
School**



AI and Machine Learning

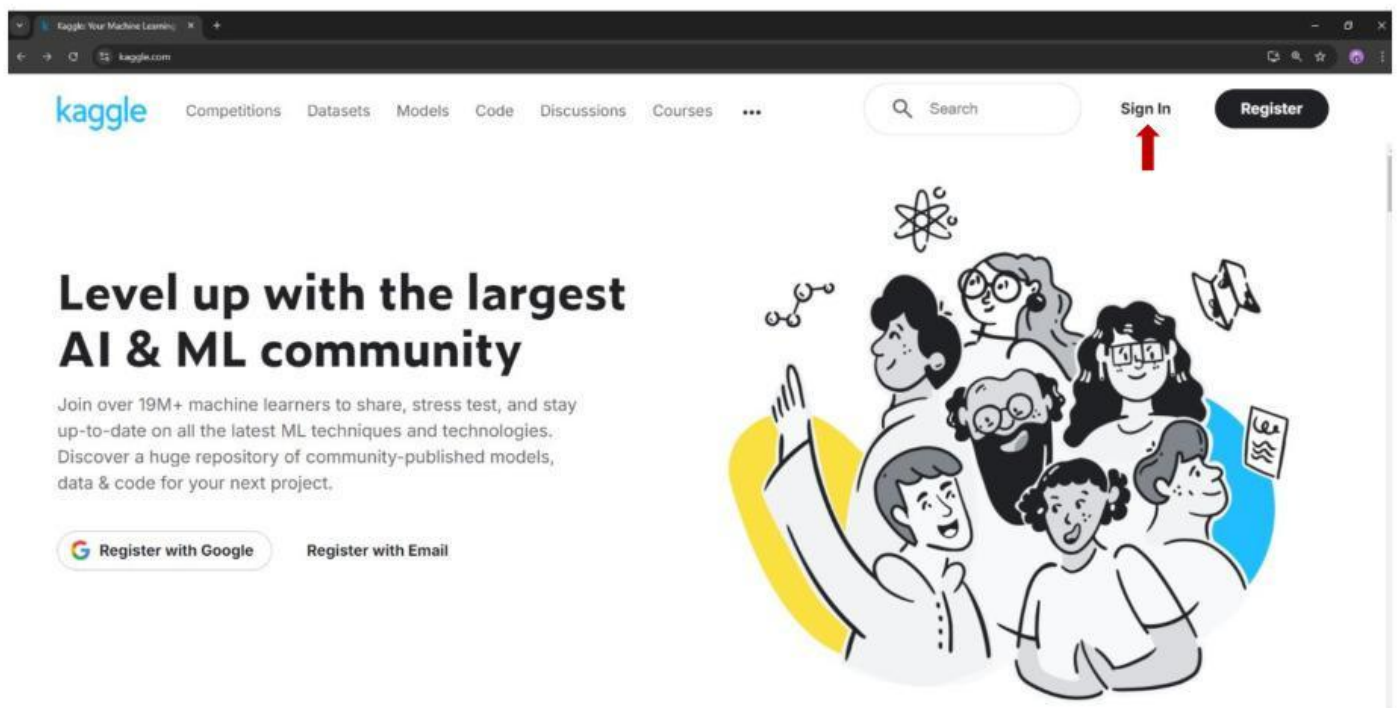


Start here

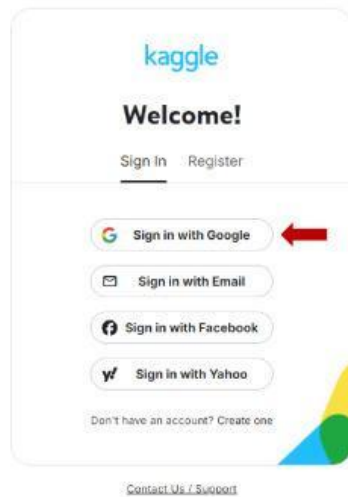
- ❖ Here we will see how to train our dataset using AI and machine learning lab in Code.org and create a mobile app using it.
- ❖ First find a dataset according to your requirement.
- ❖ Here, the Kaggle website is used to select a dataset, and thus a dataset can be obtained easily and for free. The link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

<https://www.kaggle.com/>

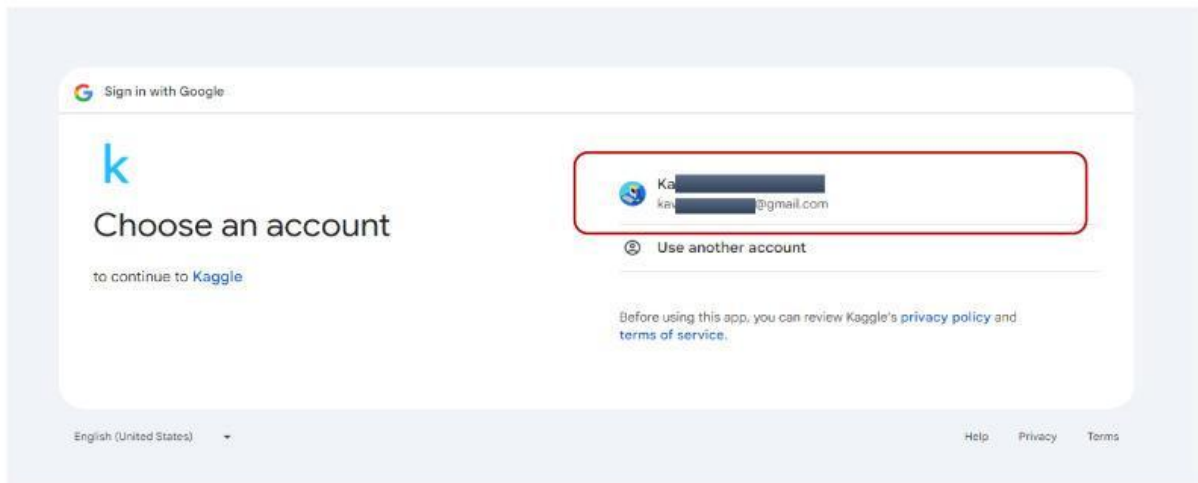
- ❖ First of all, you have to sign in for that website. Click on the sing in button for that.



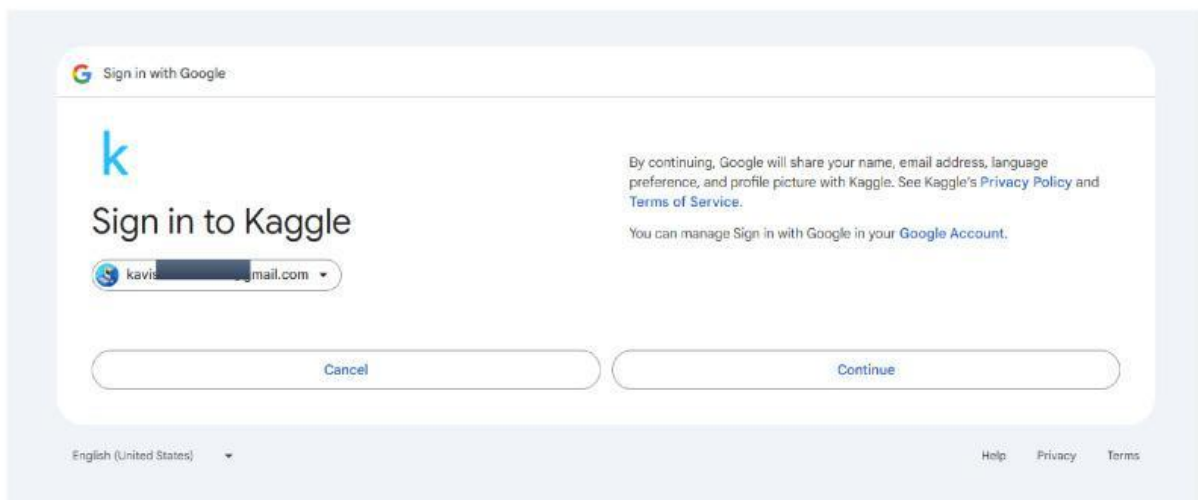
- ❖ Then a page like below will be loaded. Here we select Sign in with Google and sign in to the kaggle website.



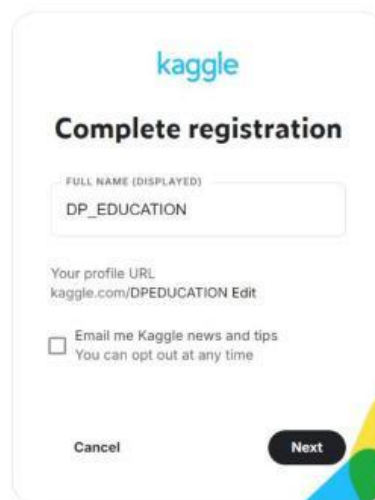
❖ Now select your email and sign in.



❖ Now click on the continue button.

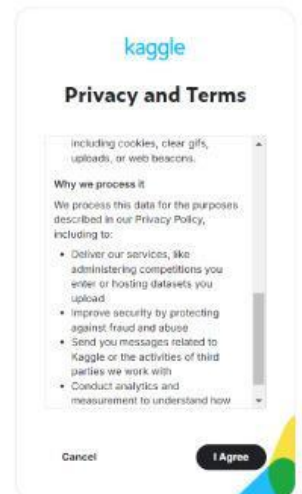


- ❖ Now provide a username for your account.

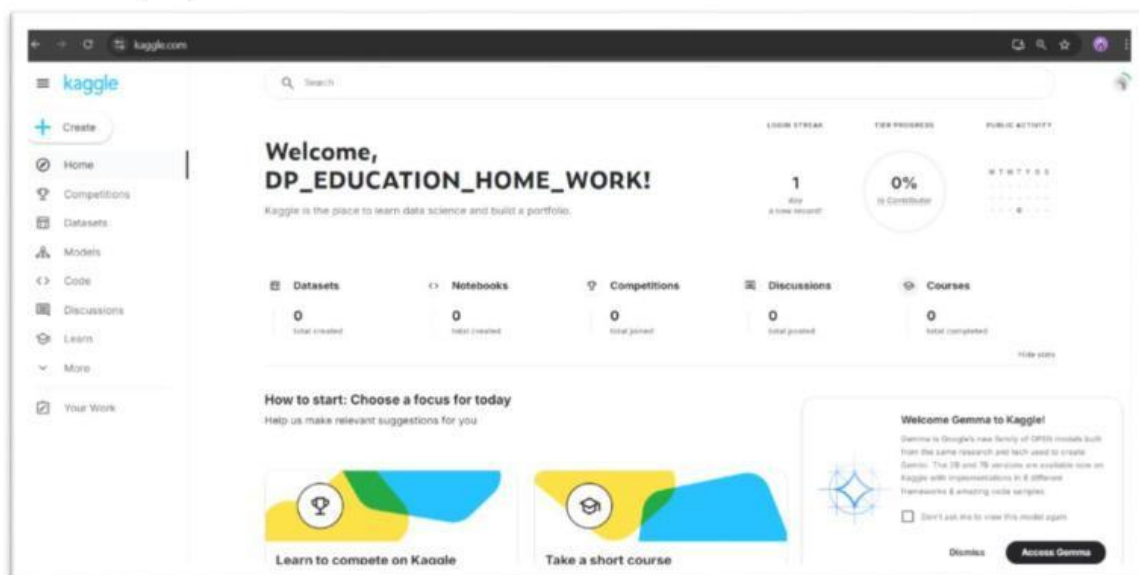


The image shows the 'Complete registration' form on Kaggle. It features the Kaggle logo at the top. Below it, the title 'Complete registration' is displayed. There is a text input field for 'FULL NAME (DISPLAYED)' with the value 'DP_EDUCATION'. Below this, it shows 'Your profile URL' as 'kaggle.com/DPEDUCATION' with an 'Edit' link. There is a checkbox for 'Email me Kaggle news and tips' with the subtext 'You can opt out at any time'. At the bottom, there are 'Cancel' and 'Next' buttons.

- ❖ 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.



The image shows the 'Privacy and Terms' dialog box on Kaggle. It includes the Kaggle logo and the title 'Privacy and Terms'. The main content area contains text about data processing, including cookies, clear gifs, uploads, or web beacons. It lists reasons for processing data: 'Why we process it'. The reasons are: 'We process this data for the purposes described in our Privacy Policy, including to:', 'Deliver our services, like administering competitions you enter or hosting datasets you upload.', 'Improve security by protecting against fraud and abuse.', 'Send you messages related to Kaggle or the activities of third parties we work with.', and 'Conduct analytics and measurement to understand how'. At the bottom, there are 'Cancel' and 'I Agree' buttons.



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

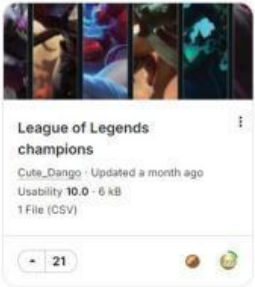
❖ Here you can get the dataset according to each topic.

Games See All



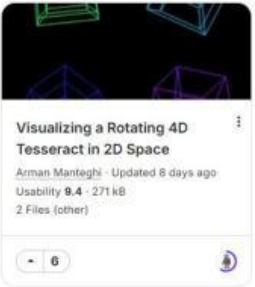
T20 World Cup 2024 Cricket Dataset
Muhammad Ehsan · Updated 12 days ago
Usability 10.0 · 2 kB
3 Files (CSV)

4



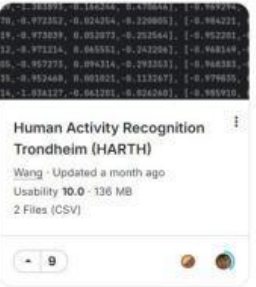
League of Legends champions
Cute_Dango · Updated a month ago
Usability 10.0 · 6 kB
1 File (CSV)

21



Visualizing a Rotating 4D Tesseract in 2D Space
Arman Manteghi · Updated 8 days ago
Usability 9.4 · 271 kB
2 Files (other)

6



Human Activity Recognition Trondheim (HARTH)
Wang · Updated a month ago
Usability 10.0 · 136 MB
2 Files (CSV)

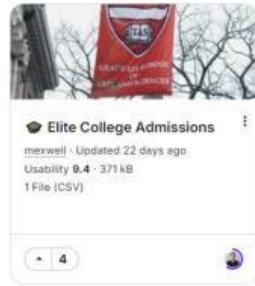
9

Education See All



Computer Science Students Career Prediction
Rugved Patel · Updated a month ago
Usability 9.4 · 3 kB
1 File (CSV)

13



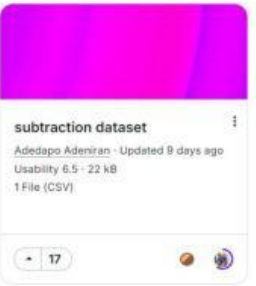
Elite College Admissions
mexwell · Updated 22 days ago
Usability 9.4 · 371 kB
1 File (CSV)

4



Talking Stage Training Data
Adedapo Adeniran · Updated 2 months ago
Usability 8.8 · 22 kB
1 File (CSV)

21



subtraction dataset
Adedapo Adeniran · Updated 9 days ago
Usability 6.5 · 22 kB
1 File (CSV)

17

News See All



Forbes AI50 2024
Saeed Sarrafzadeh · Updated 11 days ago
Usability 8.8 · 2 kB
1 File (CSV)

15



BBC News Articles
Bhavik Jikadara · Updated 2 months ago
Usability 10.0 · 3 MB
1 File (CSV)

11



News Sentiment Analysis
Clovis Vieira · Updated a month ago
Usability 10.0 · 670 kB
1 File (CSV)

25



Facebook's Supreme Court
Joakim Arvidsson · Updated 2 months ago
Usability 10.0 · 74 kB
2 Files (CSV)

19

- ❖ 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.

Datasets

[+ New Dataset](#)
[Your Work](#)

Filters

All datasets X
Computer Science
Education
Classification
Computer Vision
NLP
Data Visualization
Pre-Trained Model

151 Datasets
Hotness ▾

	Twitter Dataset: Sri Lanka Crisis Vishesh Thakur · Updated 2 years ago Usability 9.7 · 1 File (CSV) · 2 MB	35 Silver
	Sri Lanka Weather Dataset Rasul · Updated 4 months ago Usability 10.0 · 2 Files (CSV) · 10 MB	28 Bronze
	Sri Lanka vehicle number plates Rohan Kumara · Updated 2 years ago Usability 8.8 · 502 Files (other) · 21 MB	14 Bronze
	Destination Sri Lanka Kanchana1990 · Updated 4 months ago Usability 9.4 · 1 File (CSV) · 65 kB	24 Bronze
	Sri Lankan Rupee Rhythms: 13-Year Forex Dance Kanchana1990 · Updated 9 months ago Usability 10.0 · 1 File (CSV) · 225 kB	49 Bronze
	Economy of Sri Lanka Amritha R.J · Updated 2 years ago Usability 9.4 · 1 File (CSV) · 3 kB	33 Bronze

- ❖ 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.

Datasets

[+ New Dataset](#)
[Your Work](#)

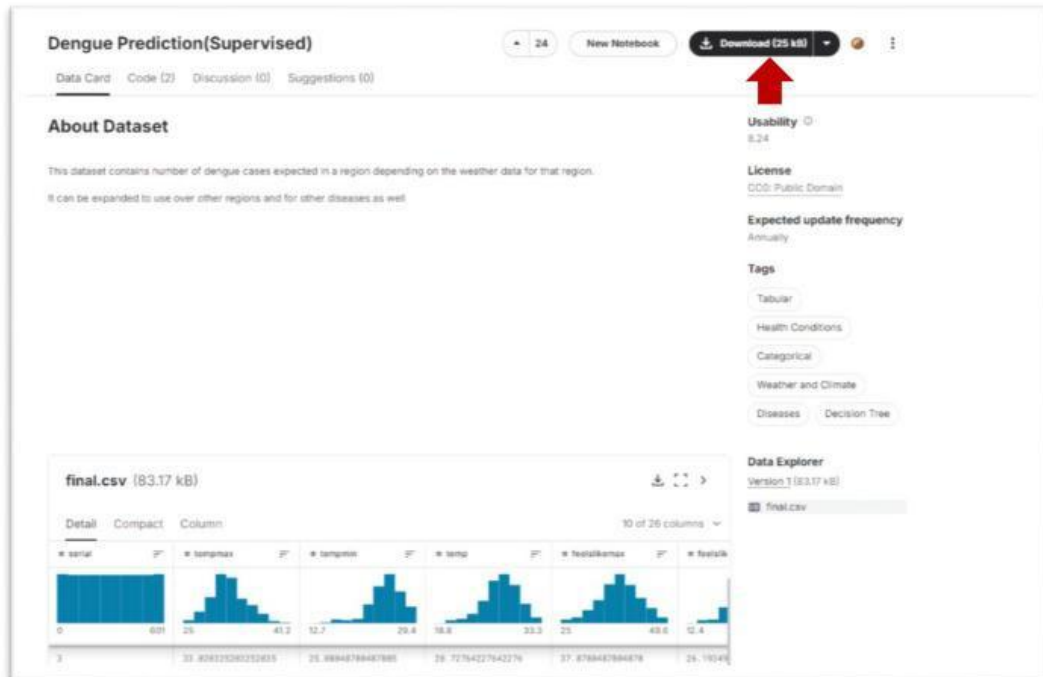
Filters

All datasets X
Computer Science
Education
Classification
Computer Vision
NLP
Data Visualization
Pre-Trained Model

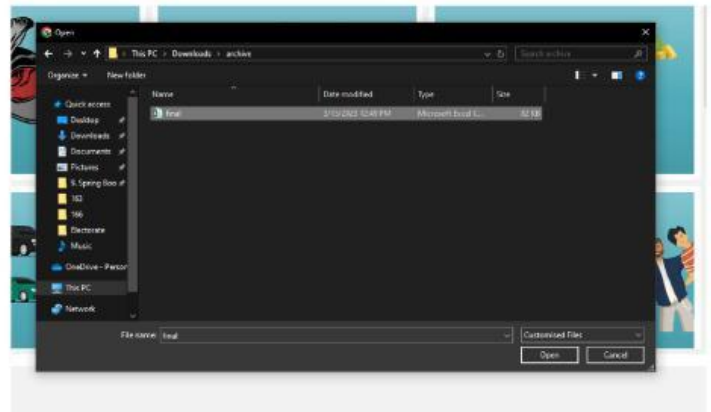
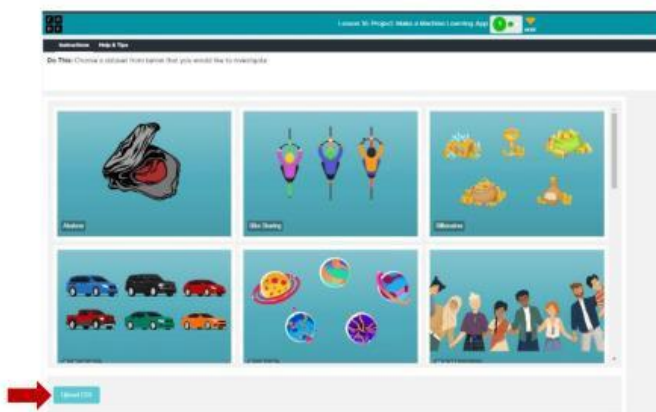
68 Datasets
Hotness ▾

	Philippines Dengue Cases 2016-2020 Jhan Vincent Supo · Updated 2 years ago Usability 10.0 · 1 File (CSV) · 7 kB	45 Bronze
	Dengue Dataset of Bangladesh MD. Kammar Ahmud · Updated 9 months ago Usability 10.0 · 1 File (CSV) · 7 kB	24
	Dengue Cases in the Philippines Francis Paul Flores · Updated 7 years ago Usability 8.2 · 1 File (CSV) · 15 kB	87 Bronze
	Dengue Prediction(Supervised) Siddhu R · Updated a year ago Usability 8.3 · 1 File (CSV) · 25 kB	24 Bronze
	Dengue, Temperatura e Chuvas em Campinas-SP Renan Gomes · Updated 8 years ago Usability 8.8 · 1 File (CSV) · 3 kB	30 Bronze
	Dengue Fragments Frequency TevDLG · Updated 2 years ago Usability 9.4 · 1 File (CSV) · 11 MB	6

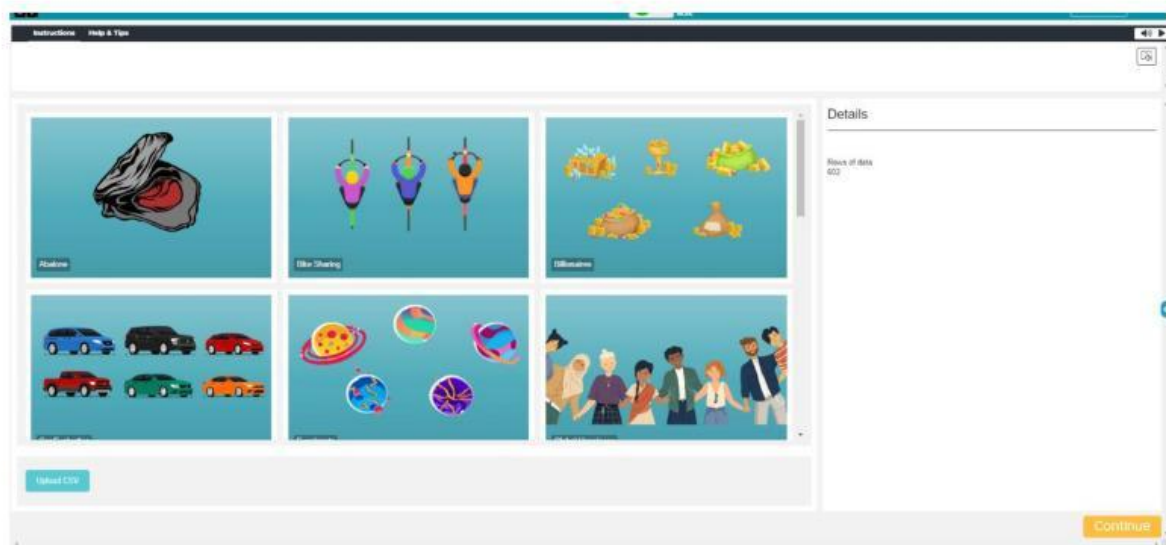
- ❖ Then 68 datasets related to dengue are displayed on the kaggle website.
- ❖ Among those datasets, the Dengue Prediction (Supervised) dataset is selected. Now click on that label.



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



- ❖ Now click on the Continue button.



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

Choose a column you would like to use as your label. This is the output that AI Bot will try to predict.
Do This: Select a column to use as a label, then press the Continue button.

Predict based on

serial	tempmax	tempmin	temp	humidity	winddirection	windspeed	cloud	humidity	precip	process
0	34.55155555555555	24.47555555555555	28.76555555555555	38.75755555555555	25.21755555555555	32.38555555555555	22.87122222222222	73.58555555555555	2.821555555555555	44.88755555555555
1	34.68817777777778	25.59433333333333	29.44622222222222	41.33821111111111	25.14933333333333	34.42337222222222	23.45452222222222	72.26666666666667	3.783444444444444	39.83738888888889
2	34.57788888888889	25.47788888888889	29.52688888888889	40.46422222222222	25.58933333333333	33.88333333333333	22.58944444444444	69.42433333333333	3.988888888888889	33.33333333333333
3	33.62333333333333	25.88888888888889	29.72544444444444	37.87888888888889	26.18348888888889	31.77222222222222	21.72333333333333	69.29733333333333	6.125555555555555	37.38837888888889
4	34.66888888888889	24.23888888888889	29.71477777777778	36.88888888888889	24.26344444444444	28.84388888888889	24.21433333333333	69.45333333333333	23.36888888888889	36.54788888888889
5	34.27888888888889	24.68888888888889	25.51333333333333	35.58888888888889	25.68888888888889	25.68888888888889	19.82744444444444	68.45333333333333	4.218888888888889	68.38888888888889
6	32.44888888888889	24.22888888888889	28.48888888888889	36.87888888888889	27.42188888888889	33.21888888888889	24.42433333333333	61.88888888888889	6.348888888888889	46.34188888888889
7	34.23738888888889	25.58777777777778	29.84777777777778	41.38211111111111	26.37722222222222	34.58333333333333	24.53733333333333	74.31888888888889	8.888888888888889	54.47544444444444
8	34.46888888888889	25.58777777777778	29.84777777777778	41.38211111111111	26.37722222222222	34.58333333333333	24.53733333333333	74.31888888888889	8.888888888888889	54.47544444444444
9	34.46888888888889	25.58777777777778	29.84777777777778	41.38211111111111	26.37722222222222	34.58333333333333	24.53733333333333	74.31888888888889	8.888888888888889	54.47544444444444
10	34.46888888888889	25.58777777777778	29.84777777777778	41.38211111111111	26.37722222222222	34.58333333333333	24.53733333333333	74.31888888888889	8.888888888888889	54.47544444444444
11	34.46888888888889	25.58777777777778	29.84777777777778	41.38211111111111	26.37722222222222	34.58333333333333	24.53733333333333	74.31888888888889	8.888888888888889	54.47544444444444
12	34.46888888888889	25.58777777777778	29.84777777777778	41.38211111111111	26.37722222222222	34.58333333333333	24.53733333333333	74.31888888888889	8.888888888888889	54.47544444444444
13	34.46888888888889	25.58777777777778	29.84777777777778	41.38211111111111	26.37722222222222	34.58333333333333	24.53733333333333	74.31888888888889	8.888888888888889	54.47544444444444
14	34.46888888888889	25.58777777777778	29.84777777777778	41.38211111111111	26.37722222222222	34.58333333333333	24.53733333333333	74.31888888888889	8.888888888888889	54.47544444444444
15	34.46888888888889	25.58777777777778	29.84777777777778	41.38211111111111	26.37722222222222	34.58333333333333	24.53733333333333	74.31888888888889	8.888888888888889	54.47544444444444
16	34.46888888888889	25.58777777777778	29.84777777777778	41.38211111111111	26.37722222222222	34.58333333333333	24.53733333333333	74.31888888888889	8.888888888888889	54.47544444444444
17	34.46888888888889	25.58777777777778	29.84777777777778	41.38211111111111	26.37722222222222	34.58333333333333	24.53733333333333	74.31888888888889	8.888888888888889	54.47544444444444
18	34.46888888888889	25.58777777777778	29.84777777777778	41.38211111111111	26.37722222222222	34.58333333333333	24.53733333333333	74.31888888888889	8.888888888888889	54.47544444444444
19	34.46888888888889	25.58777777777778	29.84777777777778	41.38211111111111	26.37722222222222	34.58333333333333	24.53733333333333	74.31888888888889	8.888888888888889	54.47544444444444
20	34.46888888888889	25.58777777777778	29.84777777777778	41.38211111111111	26.37722222222222	34.58333333333333	24.53733333333333	74.31888888888889	8.888888888888889	54.47544444444444
21	34.46888888888889	25.58777777777778	29.84777777777778	41.38211111111111	26.37722222222222	34.58333333333333	24.53733333333333	74.31888888888889	8.888888888888889	54.47544444444444

There are 622 rows of data. (Showing first 100 rows)

Back Continue

- ❖ Now train the dataset as you want.