

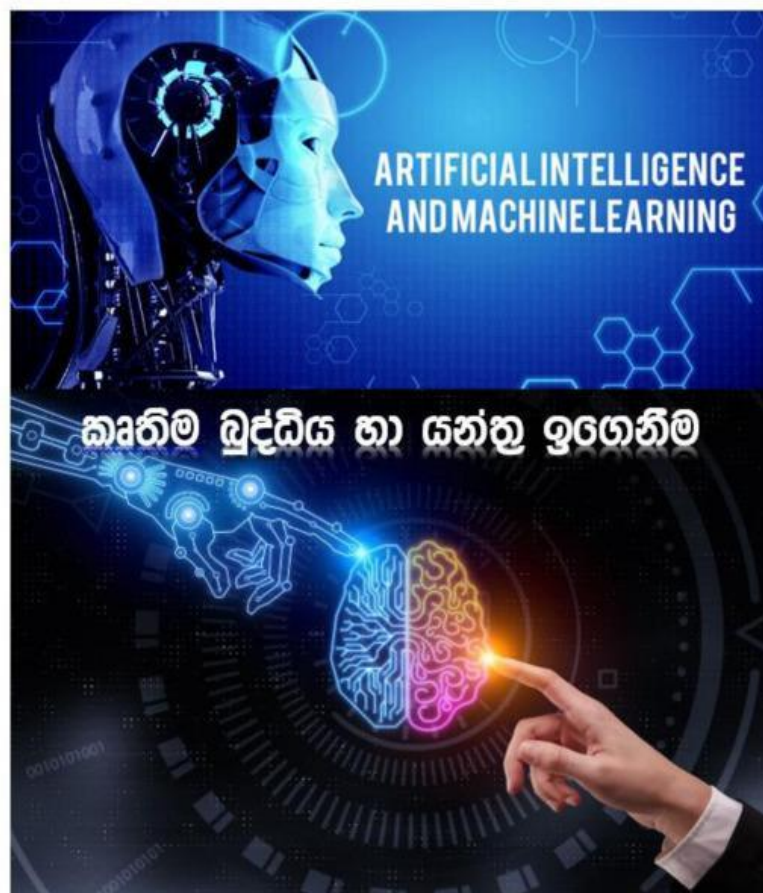
# Project 164



**Coding  
School**



## AI and Machine Learning

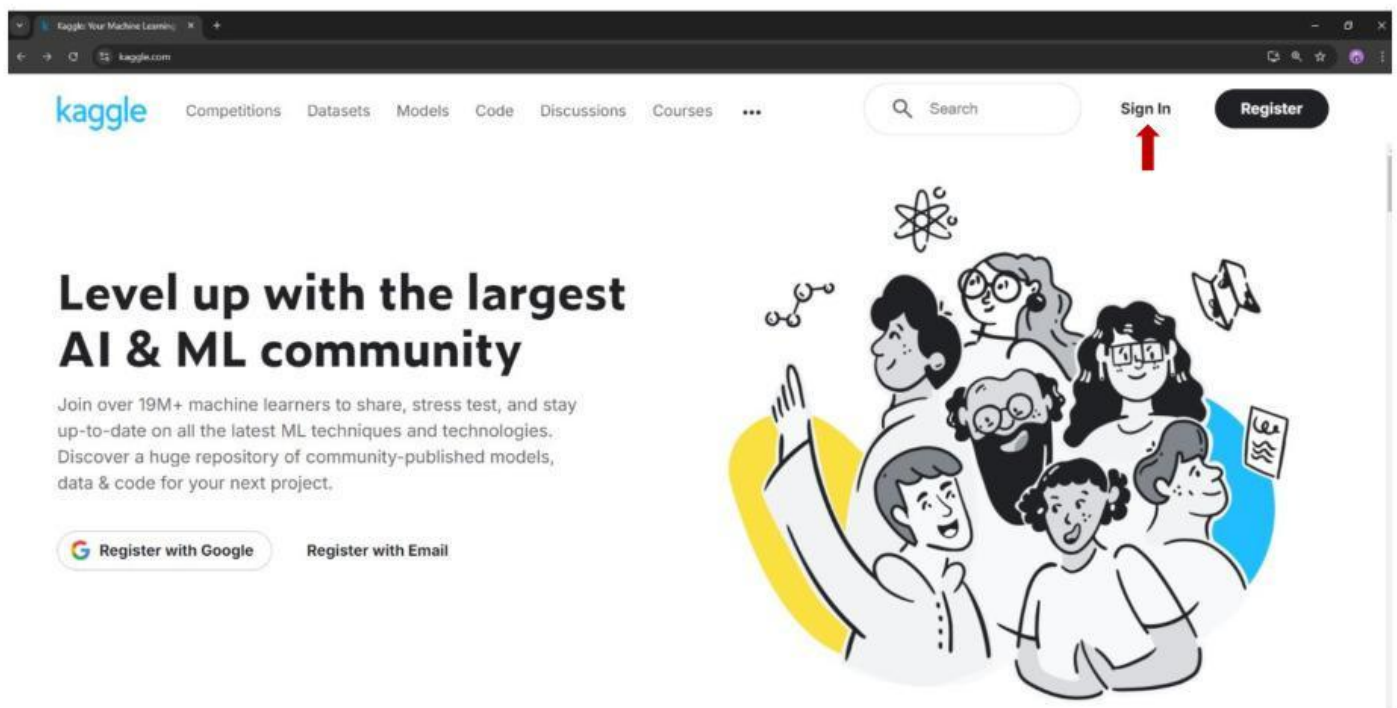


**Start here**

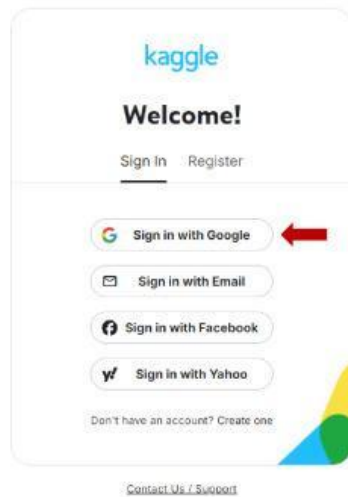
- ❖ Here we will see how to train our dataset using AI and machine learning lab in Code.org and create a mobile app using it.
- ❖ First find a dataset according to your requirement.
- ❖ Here, the Kaggle website is used to select a dataset, and thus a dataset can be obtained easily and for free. The link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

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

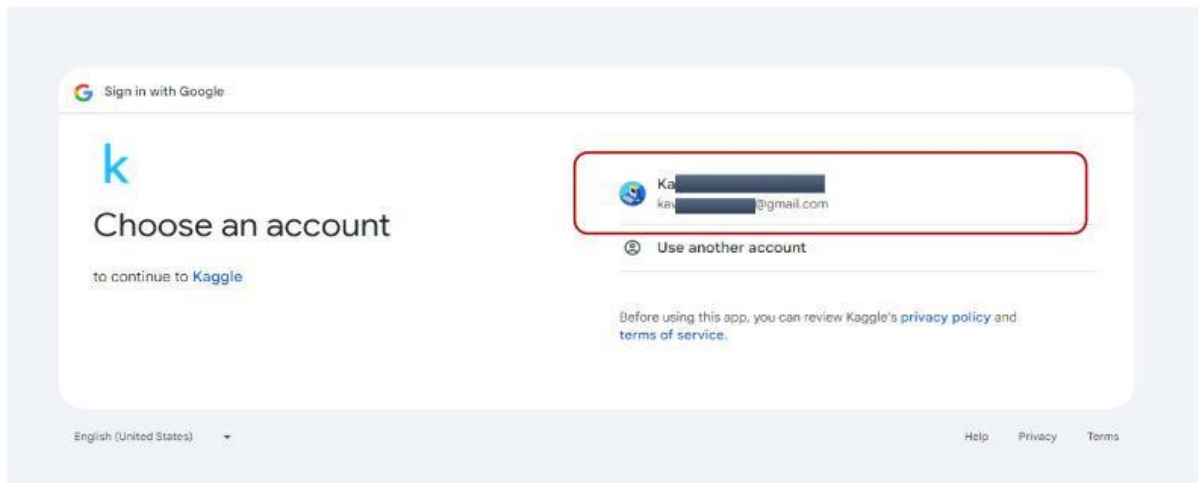
- ❖ First of all, you have to sign in for that website. Click on the sing in button for that.



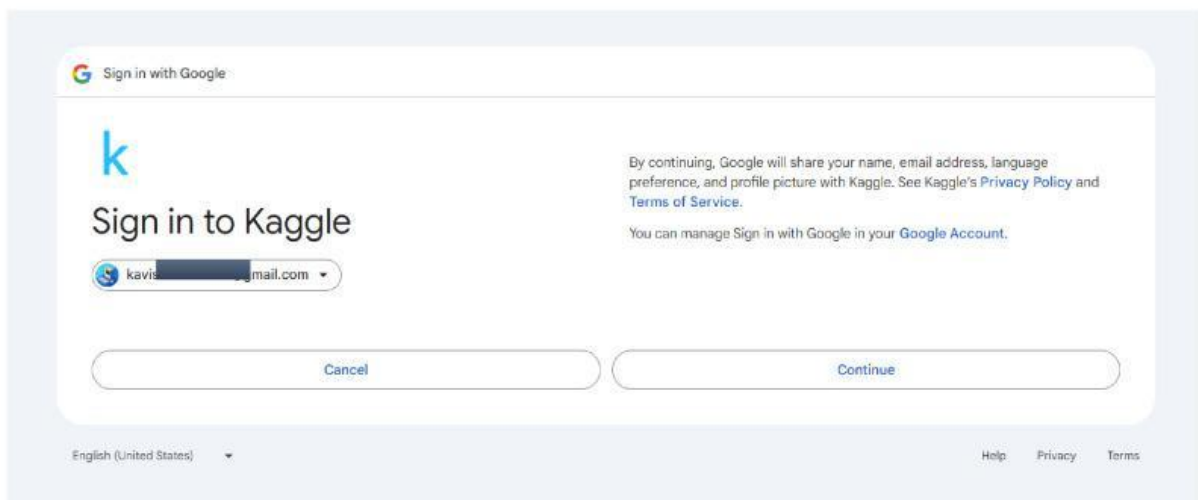
- ❖ Then a page like below will be loaded. Here we select Sign in with Google and sign in to the kaggle website.



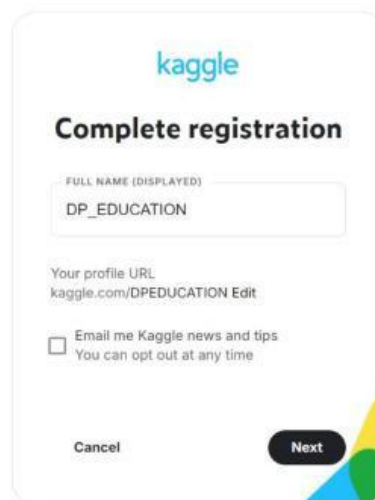
❖ Now select your email and sign in.



❖ Now click on the continue button.

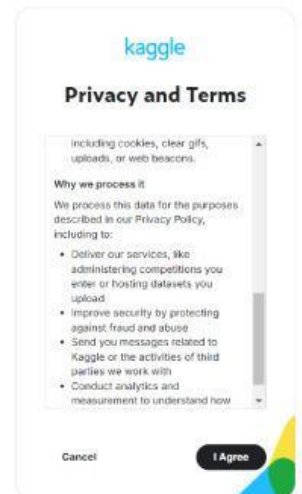


- ❖ Now provide a username for your account.

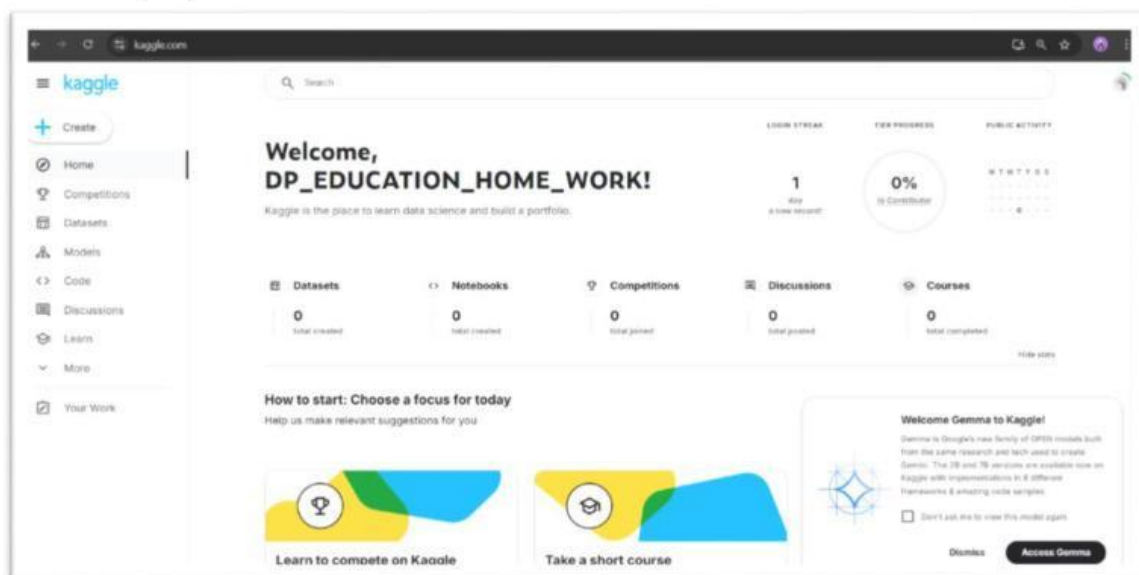


The image shows the 'Complete registration' form on Kaggle. It features the Kaggle logo at the top. Below it, the title 'Complete registration' is displayed. There is a text input field for 'FULL NAME (DISPLAYED)' with the value 'DP\_EDUCATION'. Below this, it shows 'Your profile URL' as 'kaggle.com/DPEDUCATION' with an 'Edit' link. There is a checkbox for 'Email me Kaggle news and tips' with the text '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 and a list of reasons for processing data. 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.



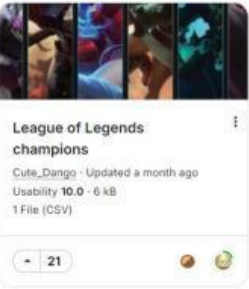
❖ Here you can get the dataset according to each topic.

 Games See All



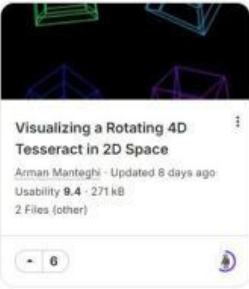
**T20 World Cup 2024 Cricket Dataset**  
Muhammad Ehsan · Updated 12 days ago  
Usability 10.0 · 2 kB  
3 Files (CSV)

4



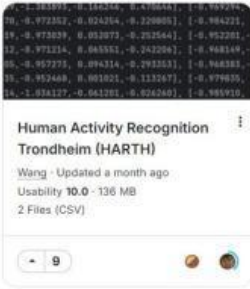
**League of Legends champions**  
Cute\_Dango · Updated a month ago  
Usability 10.0 · 6 kB  
1 File (CSV)

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)

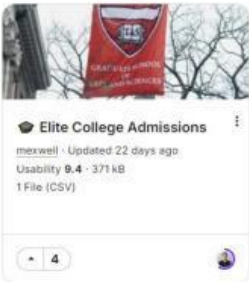
9

 Education See All




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

13



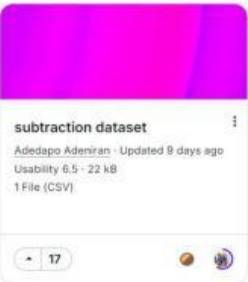
**Elite College Admissions**  
mexwell · Updated 22 days ago  
Usability 9.4 · 371 kB  
1 File (CSV)

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 ▾

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

- ❖ 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](#)

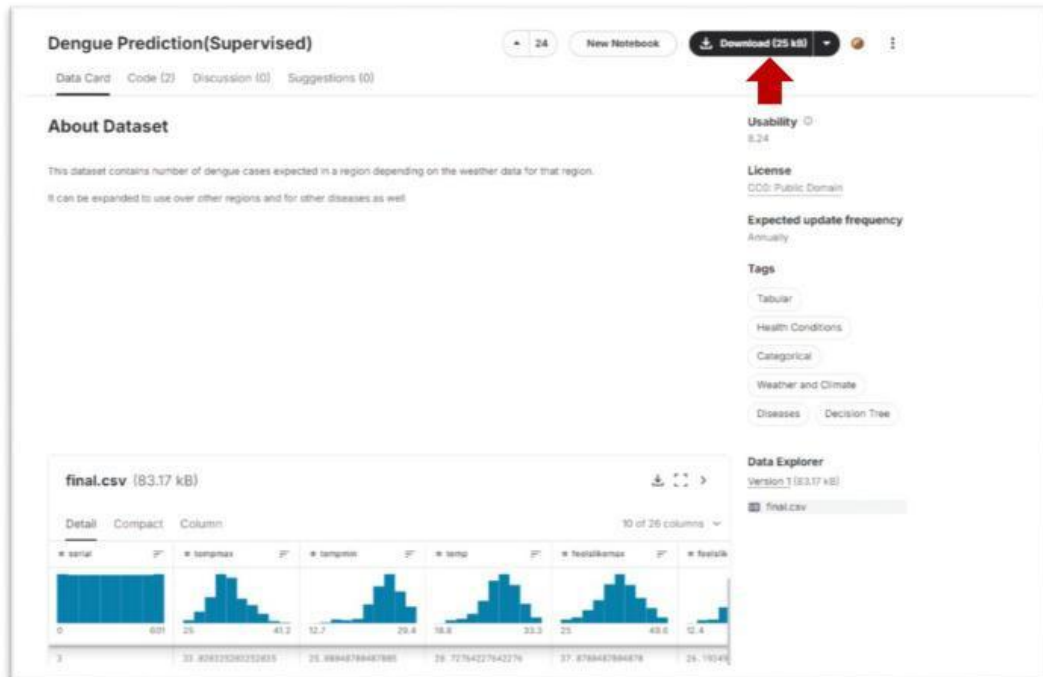
Filters

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

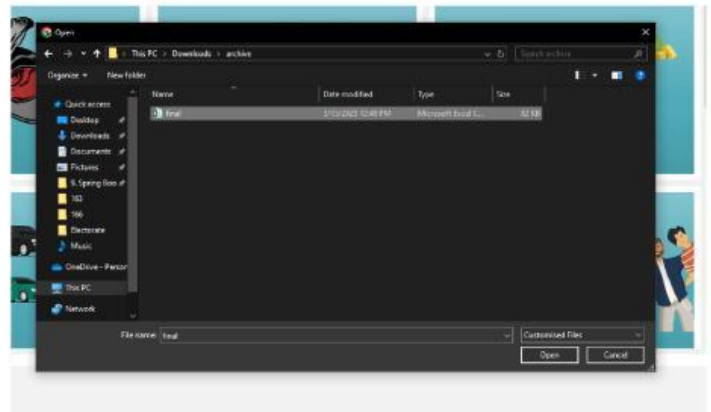
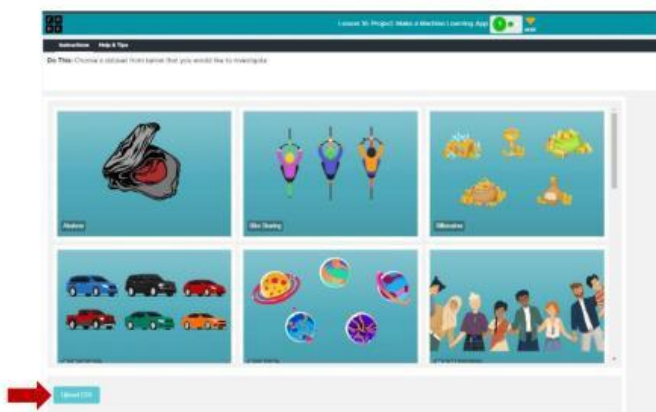
68 Datasets
Hotness ▾

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

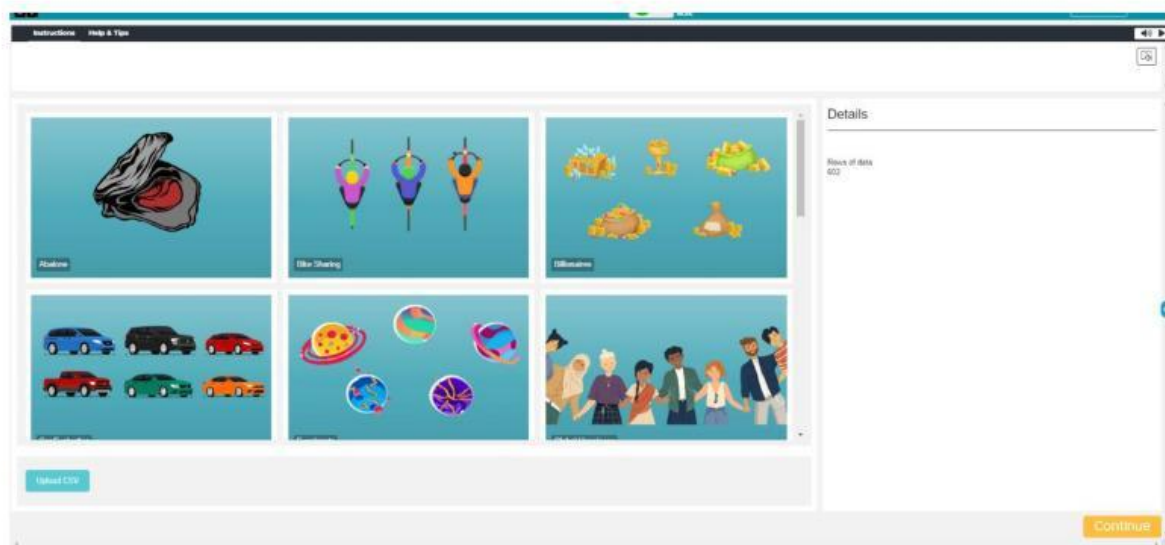
- ❖ Then 68 datasets related to dengue are displayed on the kaggle website.
- ❖ Among those datasets, the Dengue Prediction (Supervised) dataset is selected. Now click on that label.



- ❖ 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	humiditymax	humiditymin	humidity	dew	humidity	precip	precip
0	34.55155555555555	24.47555555555555	28.76355555555555	38.75755555555555	26.21755555555555	32.38555555555555	22.87122222222222	73.58521817555555	2.821575555555555	44.88755555555555
1	34.68817777777778	25.59433333333333	29.44622222222222	41.33821111111111	28.14933333333333	34.42357777777778	23.45452222222222	72.30444444444444	3.753444444444444	39.83777777777778
2	34.57777777777778	25.47777777777778	29.52777777777778	40.44222222222222	28.58933333333333	33.88933333333333	22.88933333333333	69.42433333333333	3.989333333333333	35.33333333333333
3	33.62222222222222	25.88944444444444	29.72544444444444	37.87944444444444	26.18349333333333	31.77222222222222	21.72222222222222	69.20733333333333	6.122222222222222	37.28333333333333
4	36.88933333333333	24.23893333333333	29.71477777777778	36.88933333333333	24.26344444444444	28.84389333333333	24.21433333333333	69.45222222222222	23.38933333333333	36.54777777777778
5	35.27944444444444	26.68911111111111	30.93927777777778	35.58933333333333	25.68911111111111	24.98933333333333	19.82744444444444	68.45433333333333	4.279333333333333	68.38933333333333
6	32.44933333333333	25.22933333333333	28.48933333333333	36.87944444444444	27.42777777777778	33.27933333333333	24.42433333333333	61.88933333333333	6.349333333333333	46.34444444444444
7	34.23777777777778	25.58933333333333	29.84777777777778	41.38211111111111	26.37722222222222	34.58933333333333	24.58933333333333	74.31933333333333	8.889333333333333	54.47544444444444
8	34.48933333333333	25.58933333333333	29.84777777777778	36.84444444444444	24.44933333333333	32.88933333333333	21.48933333333333	67.31444444444444	4.877777777777778	41.78933333333333
9	34.78933333333333	25.58933333333333	29.84777777777778	36.84444444444444	24.44933333333333	32.88933333333333	21.48933333333333	67.31444444444444	4.877777777777778	41.78933333333333
10	34.48933333333333	25.58933333333333	29.84777777777778	36.84444444444444	24.44933333333333	32.88933333333333	21.48933333333333	67.31444444444444	4.877777777777778	41.78933333333333
11	36.78933333333333	26.54777777777778	31.66833333333333	37.42433333333333	27.42433333333333	32.75893333333333	24.54444444444444	62.80777777777778	25.58933333333333	75.47777777777778
12	32.32222222222222	25.87933333333333	29.10083333333333	40.78933333333333	26.78933333333333	33.84777777777778	23.88933333333333	64.28933333333333	8.117777777777778	58.88933333333333
13	38.87333333333333	21.23893333333333	24.9	36.38222222222222	21.23893333333333	25.28	18.31222222222222	73.82222222222222	0.4893333333333333	54.28933333333333
14	38.87333333333333	21.23893333333333	24.9	36.38222222222222	21.23893333333333	25.28	18.31222222222222	73.82222222222222	0.4893333333333333	54.28933333333333
15	48.1	26.1	32.8	44.8	26.1	32.8	18.7	38.9	2.3	
16	41.2	26.4	33.8	43.1	26.4	33.8	18.8	47.8	52.8	
17	37.2	25.8	31.5	48.8	25.8	36.3	20.4	36.7	8.7	
18	37.2	24.8	31.0	41.8	24.8	33.8	23.1	87.8	48.1	
19	38.8	25.2	31.5	41.8	25.2	35.1	23.4	31.8	9.8	
20	37.8	25.1	31.4	42.1	25.1	33.8	23.8	38.8	18.8	
21	36.8	25.4	31.1	44.2	25.4	34.2	23.4	38.8	7.7	

There are 652 rows of data. (Showing first 100 rows)

Back Continue

- ❖ Now train the dataset as you want.