



2025 SPARK ACADEMY

TRAIN FOR CHANGE, FROM SCIENCE TO PRACTICE



THE SPRINT AI TRAINING FOR AFRICAN MEDICAL

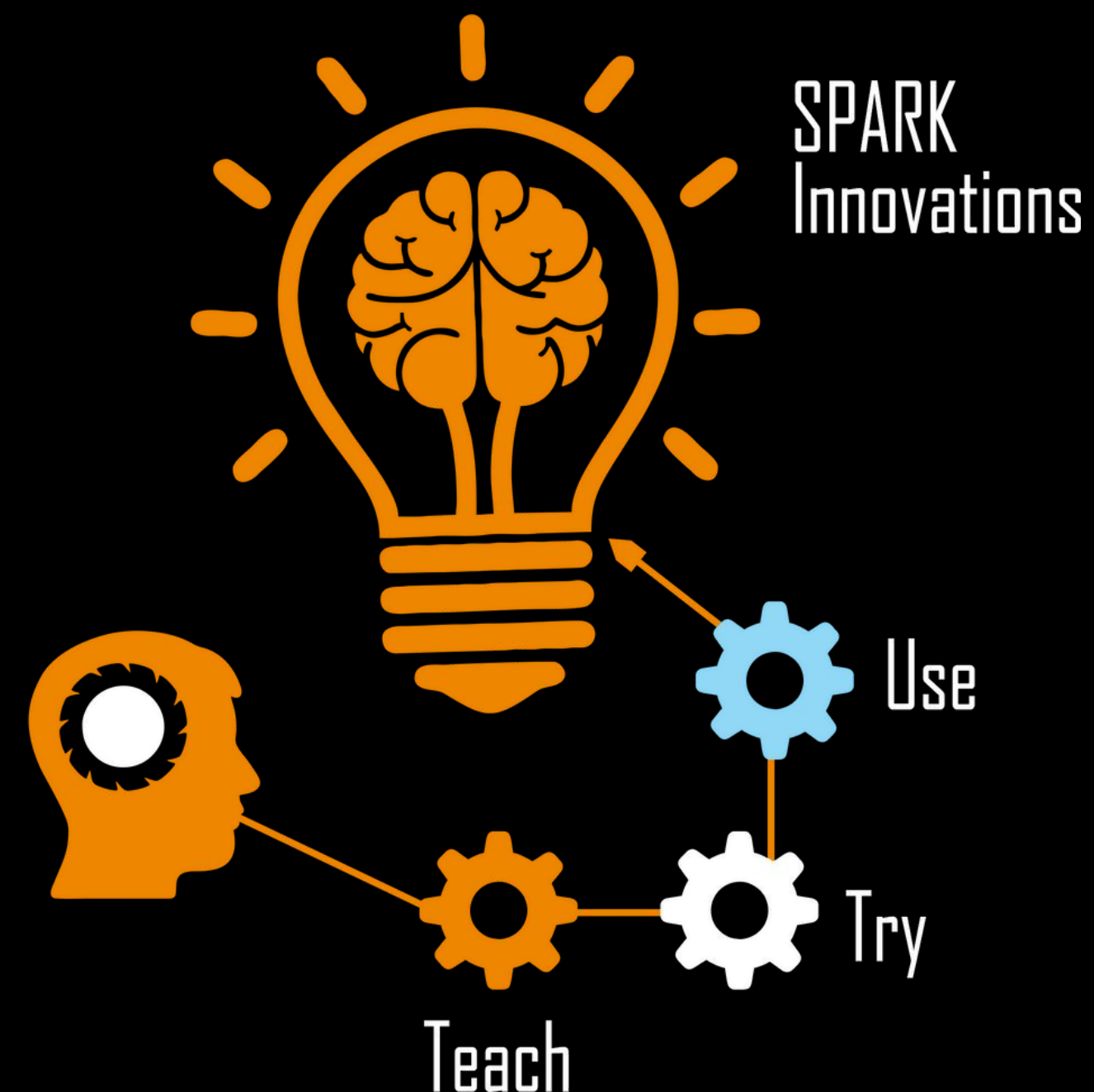
Imaging Knowledge Translation (SPARK)

Academy

IN DEEP LEARNING & MEDICAL IMAGING

Introduction to **kaggle**[™]

FEBRUARY 22nd, 2025



Introduction to kaggle™



≡ kaggle

+ Create

Home

Competitions

Datasets

Models

Code

Discussions

Learn

More

Your Work

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Kaggle Brand Guidelin...

Food choices

Data Cleaning

Dirty Dataset to practi...

Pix2Pix-MedNext, Script

EDITED

notebook4c6c304e65

Search

Welcome, toufiqa!
Kaggle is the place to learn data science and build a portfolio.

LOG IN STREAK

1 day
a new record!

TIER PROGRESS

25%
to Contributor

PUBLIC ACTIVITY

MTWTFSS
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Datasets

0
total created

Notebooks

2
total created

Competitions

0
total joined

Discussions

0
total posted

Courses

0
total completed

Hide stats

How to start: Choose a focus for today

Help us make relevant suggestions for you

Learn to compete on Kaggle

Improve and test your skills

Get started →

Take a short course

Our courses are the fastest way to learn data science

Get started →

Browse inspiring data and code

Improve your data science projects

Get started →

<https://event.fourwaves.com/spark>

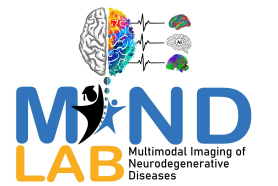
Introduction to **kaggle**



Kaggle is an online platform that serves as a comprehensive resource for data scientists and machine learning enthusiasts. It offers a range of tools and services designed to facilitate data analysis and model development.

Key Features of Kaggle:

- **Computational Resources:** Free access to cloud-based computational environments, including CPUs and GPUs.
- **Datasets:** Repository of public datasets across various domains, allowing users to explore, analyze, and utilize data for projects.
- **Competitions:** Data science competitions for participants develop solutions for the chance to win prizes and gain recognition.



Introduction to **kaggle**TM



Other platforms like **Kaggle** include:

<https://colab.research.google.com/>



For running Notebooks, mainly

Access to T4 GPU

Sporadic daily GPU & TPU Limits

<https://lightning.ai/>

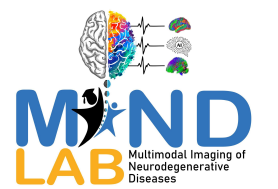


For running Scripts & Notebooks

Access to T4 GPU

20 Free Credit Hours Monthly

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Introduction to kaggle™



Kaggle Features?

kaggle



For running Notebooks & Scripts

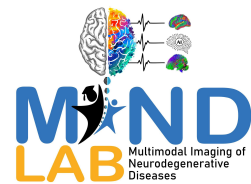
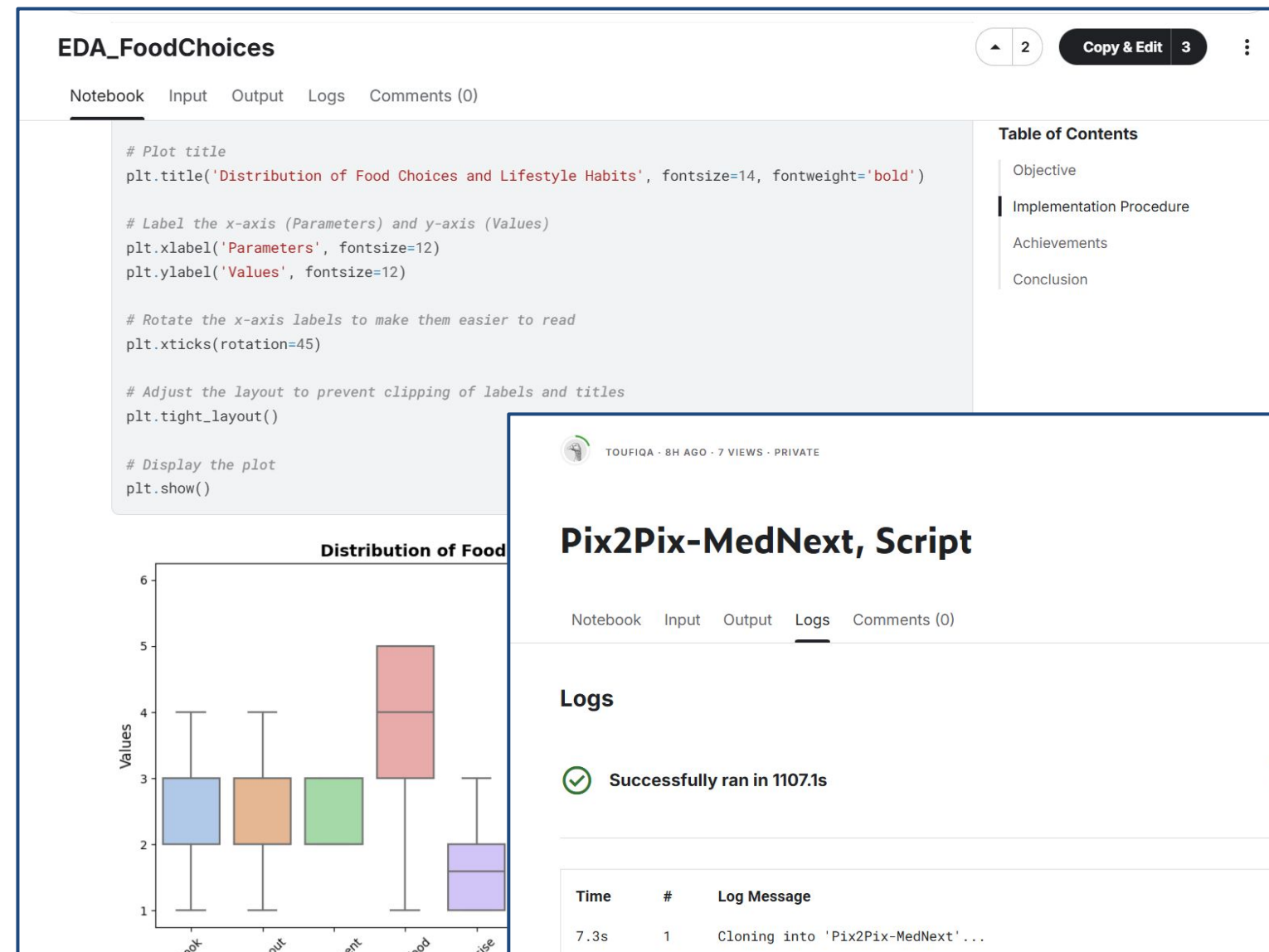
Access to T4 & P100 GPUs, TPU

30 Hours GPU & 20 Hours TPU Weekly Limits

Ability to run either:

- interactive notebooks
- kernel sessions, for 12 Hours

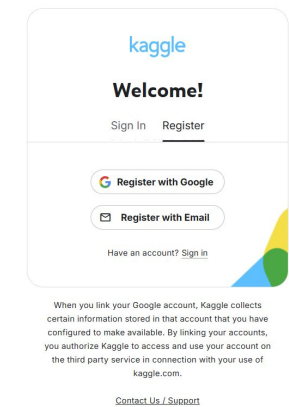
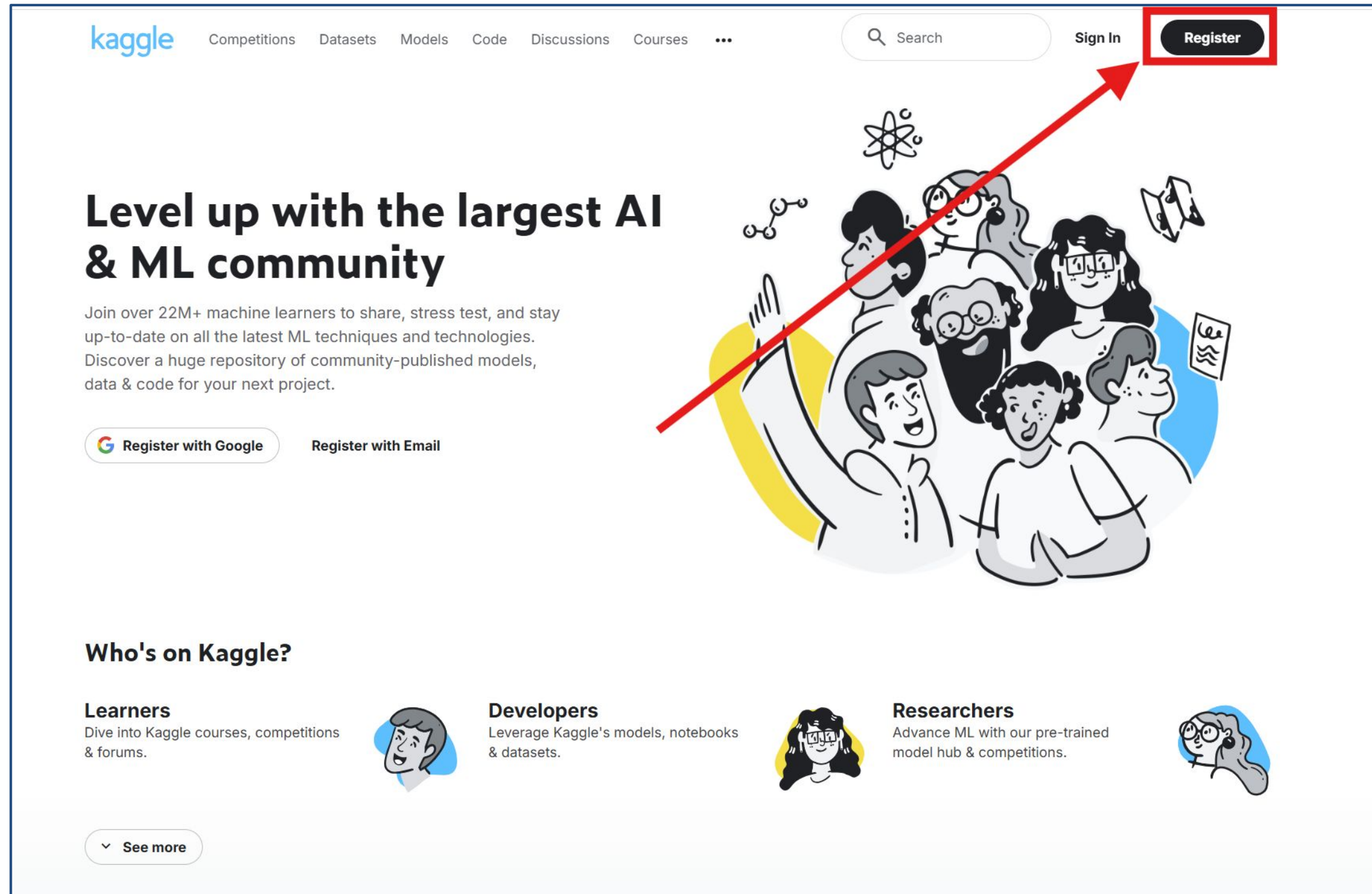
<https://event.fourwaves.com/spark>



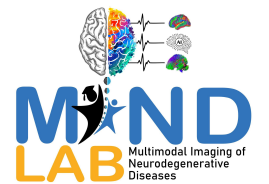
Introduction to **kaggle**



Getting Started? Go to [Kaggle.com](https://kaggle.com) and **Register**.



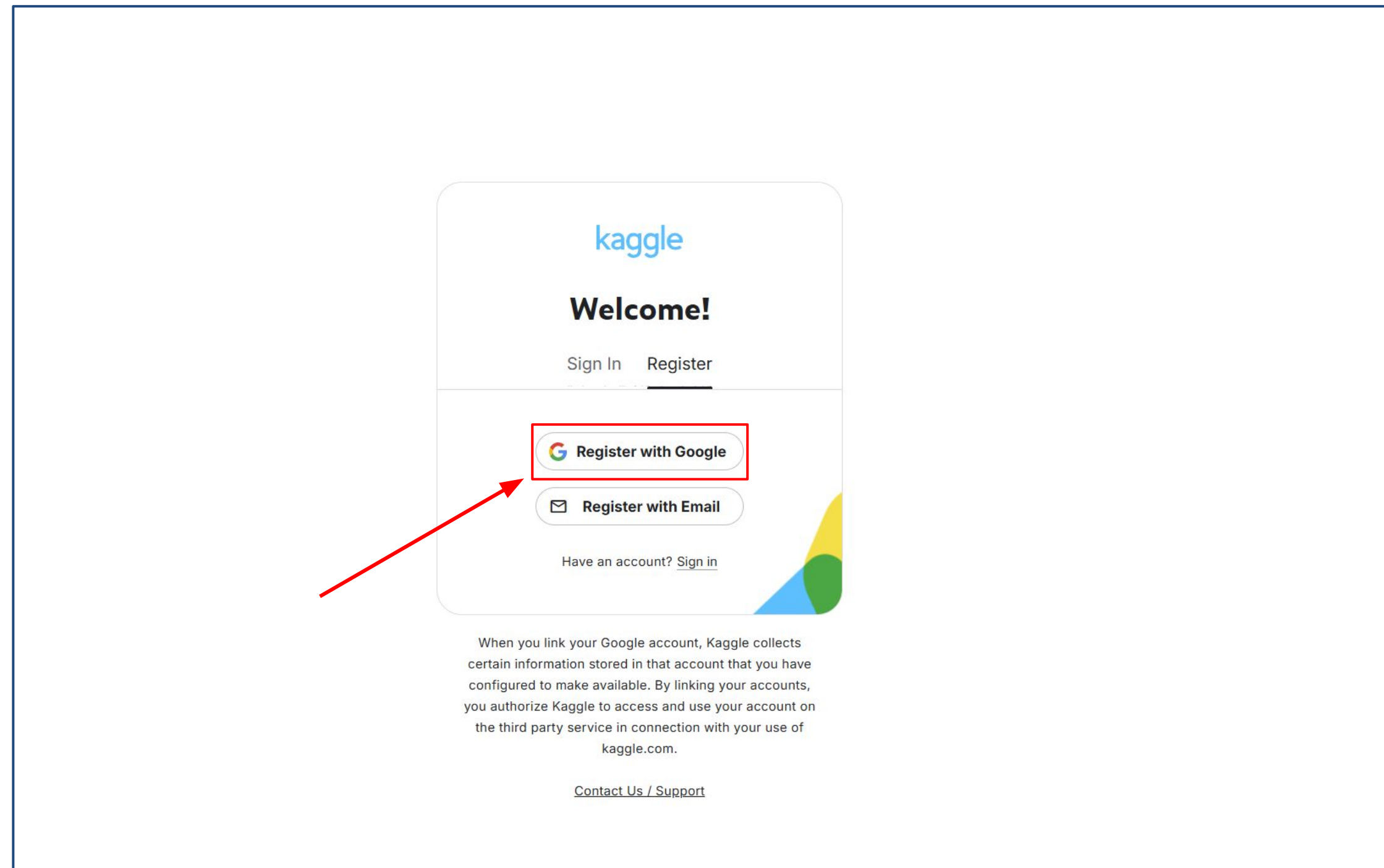
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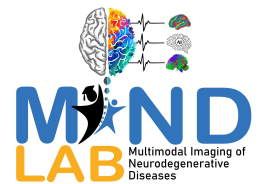
Introduction to **kaggle**



Preferably, Register with Google..



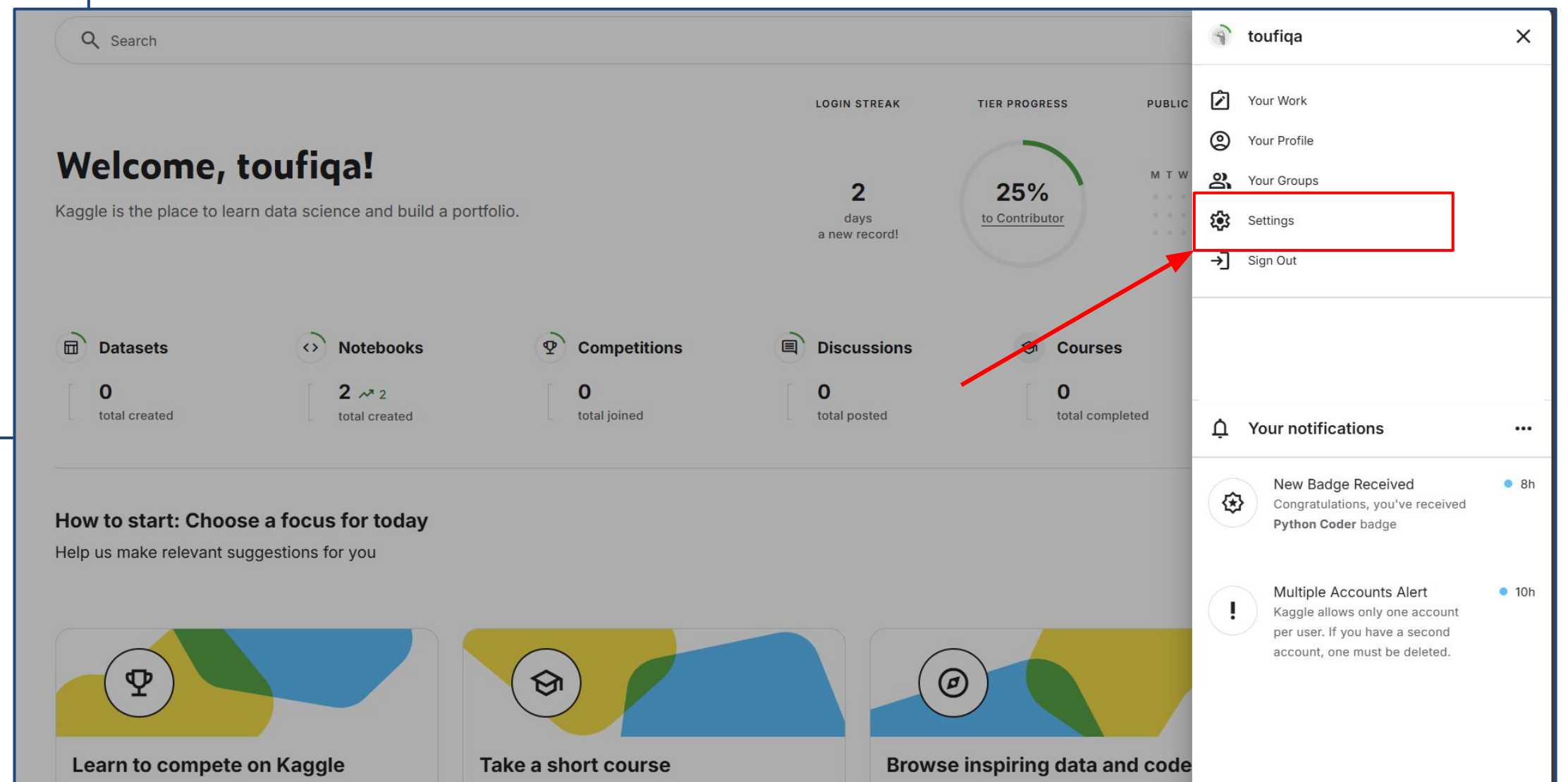
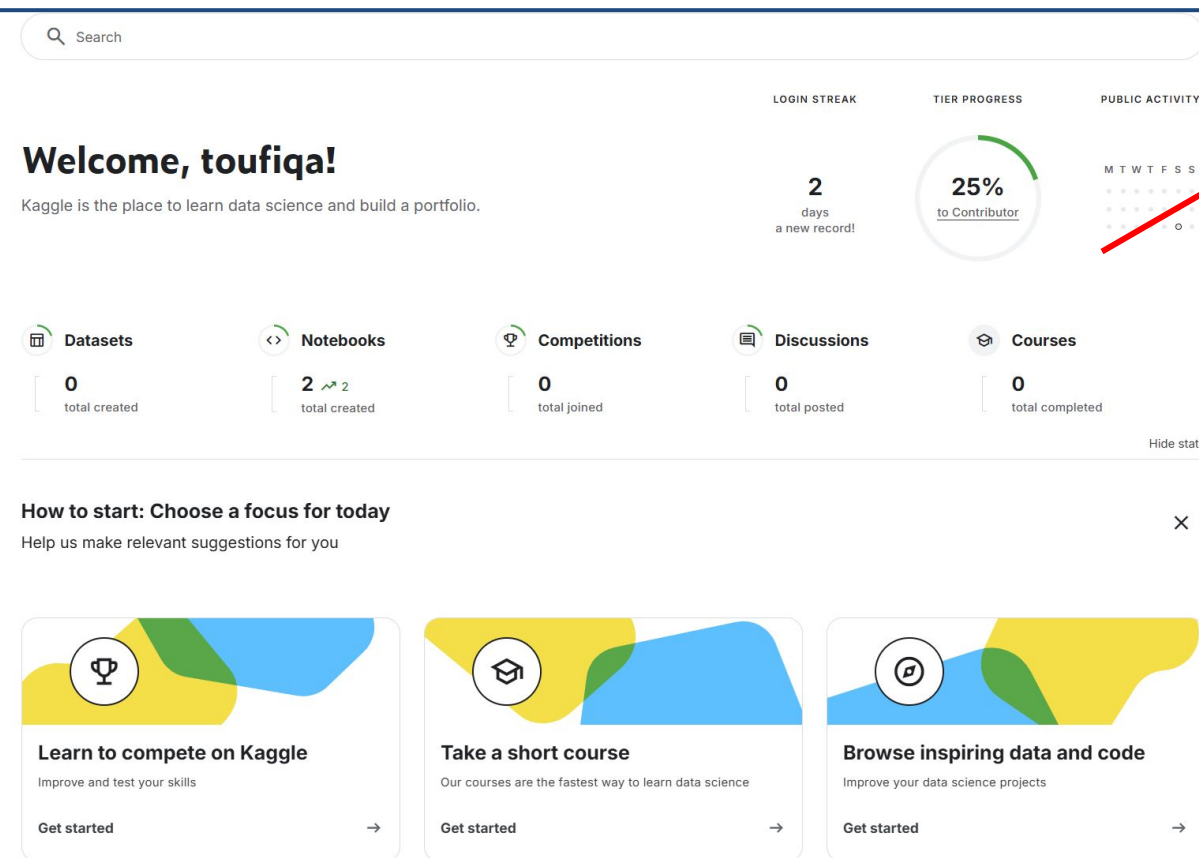
<https://event.fourwaves.com/spark>



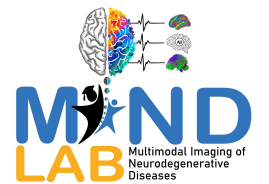
Introduction to kaggle™



Preferably, Register with Google..



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Introduction to kaggle™



Go through Phone Verification to gain GPU Access

Settings

Control over your Kaggle account and all communications

Account Notifications

Your email address

Change email

Phone verification

Verified

Identity verification

You have not verified your identity using Persona, a trusted 3rd-party service. Verifying your identity allows you to join competitions that require identity verification. [Learn More](#)

Verify my account

Theme

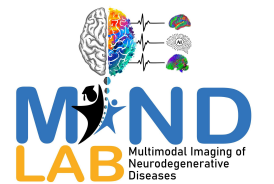
Your username

toufiqa (not editable)

Your account number

25229894

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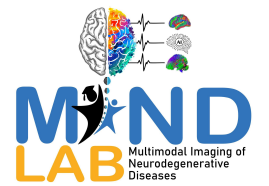
Introduction to kaggle™



Create a New NoteBook

The screenshot shows the Kaggle homepage for user 'toufiqa'. The left sidebar contains a 'Create' button, which is highlighted with a red box and a red arrow. Below it are options for 'New Notebook', 'New Dataset', 'New Model', and 'New Competition'. The main content area displays a welcome message, user statistics (Login Streak: 2 days, Tier Progress: 25% to Contributor), and a 'How to start' section with three cards: 'Learn to compete on Kaggle', 'Take a short course', and 'Browse inspiring data and code'. The bottom of the page features logos for CAMERA, MALLab, MIND LAB, and AFRICAI.

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Introduction to kaggle™



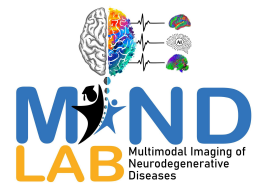
Create a New Notebook

The screenshot shows the Kaggle Notebook interface for a notebook titled 'notebook9cbddddd9a'. The interface includes a top menu bar with 'File', 'Edit', 'View', 'Run', 'Settings', 'Add-ons', and 'Help'. Below the menu is a toolbar with icons for adding code cells, markdown cells, and running code. A red box highlights the '+' icon in the toolbar, with an arrow pointing to it from the text 'Add Code Cells & Markdown'. Another red box highlights a code cell containing the following Python code:

```
[ ]: import torch
device = torch.device('cuda' if torch.cuda.is_available() else 'cpu')
```

A red arrow points from the text 'Code Block' to this code cell. A third red box highlights the 'Save Version' button in the top right corner, with an arrow pointing to it from the text 'Run Kernels'. A fourth red box highlights the 'Accelerator' dropdown menu in the 'Session options' section on the right sidebar, with an arrow pointing to it from the text 'Select GPU'. The sidebar also shows 'Input' (with 'Add Input' and 'Upload' buttons), 'Output' (showing '/kaggle/working'), 'Table of contents', and 'Session options' (with 'Accelerator' set to 'None' and 'Language' set to 'Python'). A note on the right side of the sidebar reads: 'NB: To Run Kernels, your Notebook should be 'End-to-End''.

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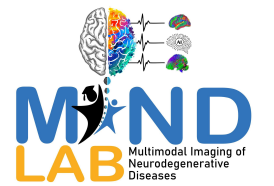
Introduction to **kaggle**



Keep Note:

- Every Team Member should create an account at Kaggle.com
- Share your Kaggle UserName with Your Coordinator
- Team Coordinators are responsible for inviting team members to the Kaggle Workspace

<https://event.fourwaves.com/spark>



Get in touch?

Email

toufiqmusah32@gmail.com

Web

bit.ly/toufiqmusah



FAQ and Contact Information



Contact

"IF YOU THINK YOU ARE TOO SMALL TO MAKE A DIFFERENCE TRY SPENDING A NIGHT WITH
A MOSQUITO" - African Proverb

Send Us a Message

Have any question or thoughts? We love to hear from you!

You can send us a message at spark@mailab.io or use the form below.

>>> [SPARK Academy Contact Form](#) <<<



Socials: Follow us for up-to-date program information

- ❖ <https://twitter.com/CAMERAAfrica>
- ❖ https://twitter.com/mailab_io
- ❖ <https://www.linkedin.com/company/consortium-for-advancement-of-mri-education-research-in-africa>

<https://event.fourwaves.com/spark>

- ❑ For general program information, consult the FAQ section of the training platform in Fourwaves.
- ❑ For general program inquiry, contact the SPARK Academy team at spark@mailab.io.
- ❑ For project specific information or questions related to your team assignment, hackathon project or team's BraTS project, contact your Team Supervisor.
- ❑ For all other program related inquiries, contact the SPARK Academy team at spark@mailab.io

