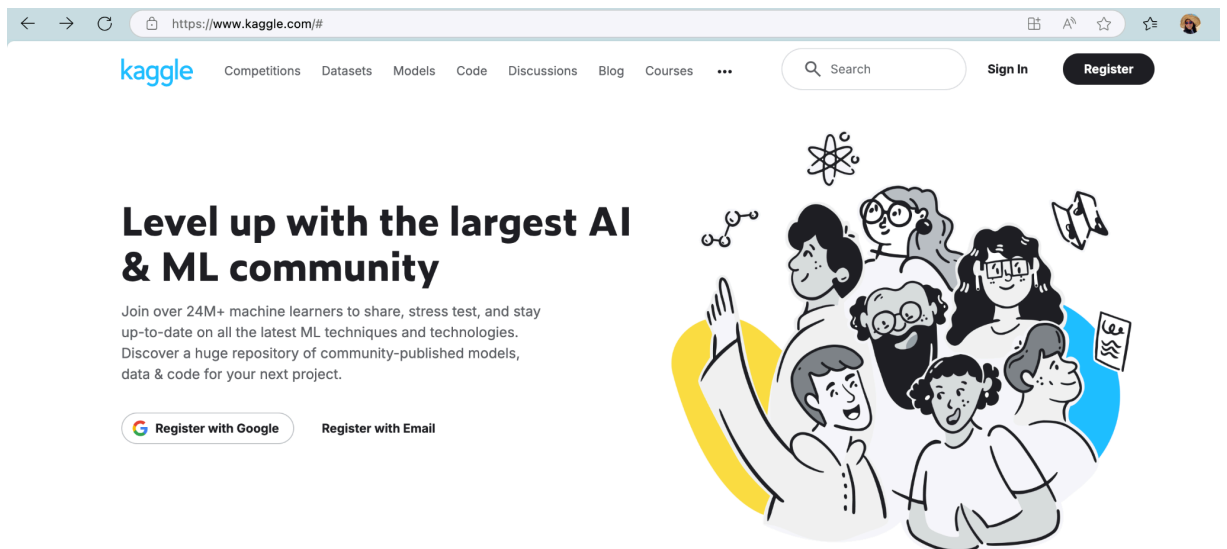# Introduction to Kaggle - Lab Sheet

Content:
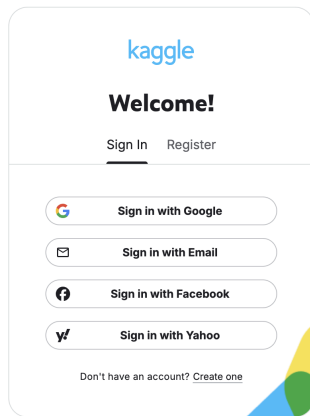
- What is Kaggle
- Getting start with Kaggle
- Kaggle Notebooks
- Participate competitions
- Host competition
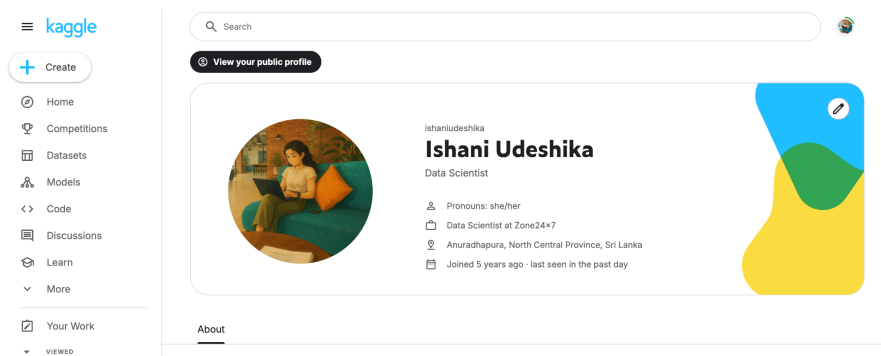
Task 1: Create a kaggle account

1. Go to https://www.kaggle.com

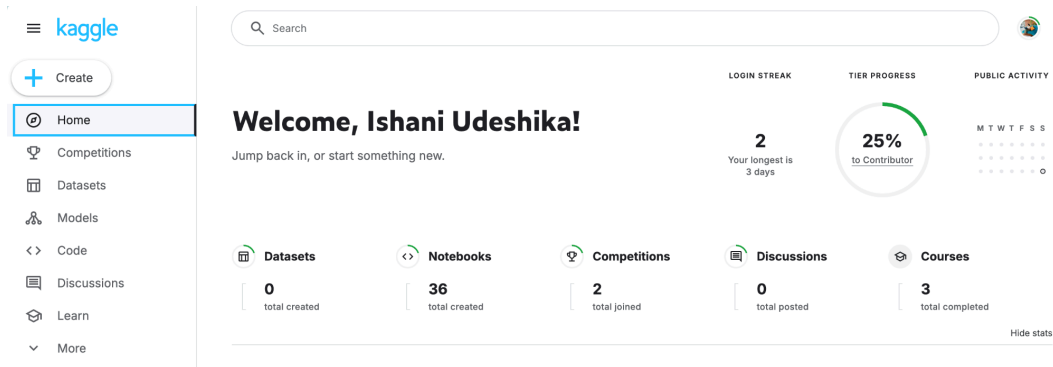2. Sign up using your **Google account** or email

3. Set up your profile (name, bio, profile picture optional)

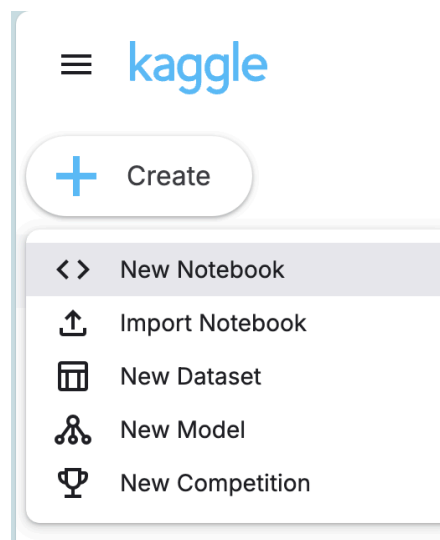# Task 2: Explore Kaggle Interface

Navigate to:

- Competitions tab
- Datasets tab
- Code (Notebooks) tab
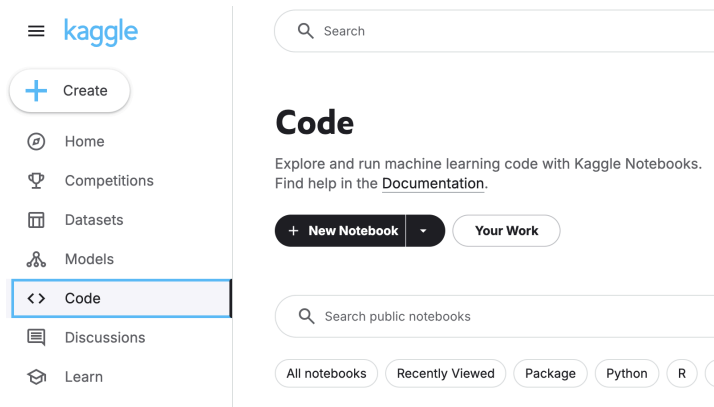- Learn tab
- Discussion tab

Task 3: Kaggle Notebooks

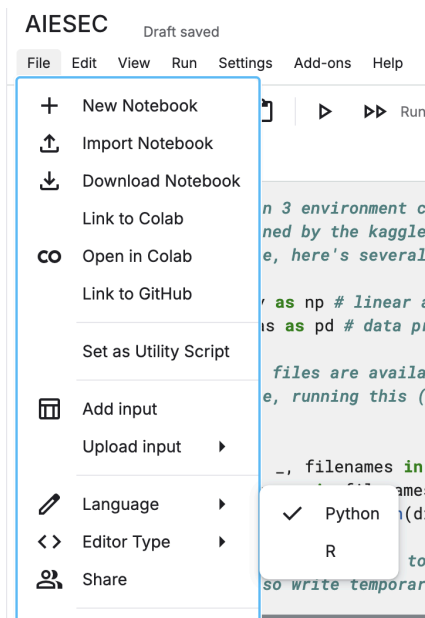Create your first notebook

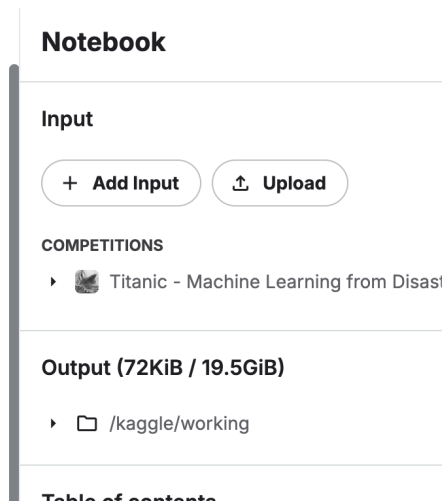1. Option 1: Click on "Create" > "Notebook"

2. Option 2: Click on "Code" > "New Notebook"

3. Choose Python as the language

4. In the right panel, Add Data → Search and add: Titanic - Machine Learning from Disaster

---

5. Use following starter code:

```
[1]:   import pandas as pd
```

```
[3]:   df = pd.read_csv("/kaggle/input/titanic/train.csv")
```
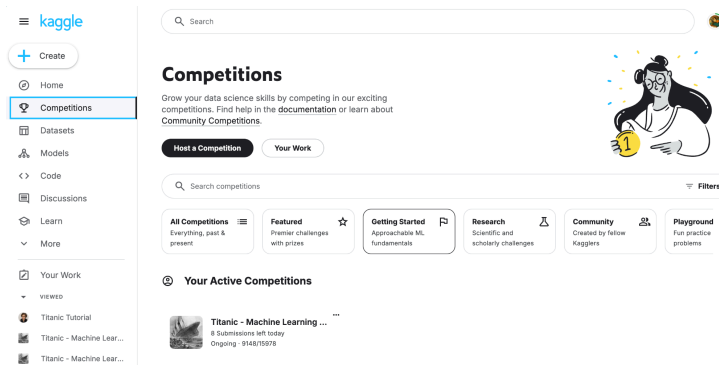
+ Code   + Markdown

6. Basic Titanic EDA
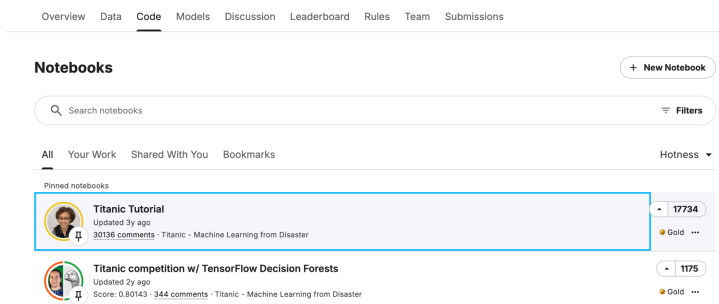
```
df.head()

df.info()

df.isnull().sum()

df.describe()

df['Survived'].value_counts(normalize=True)

df['Sex'].value_counts()
```

Task 4: Explore an Existing Notebook

1. Go to a competition (e.g., Titanic - ML from Disaster)

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2. Open a high-voted notebook

3. Observe how the author:

      - Introduced the problem

      - Used visualizations

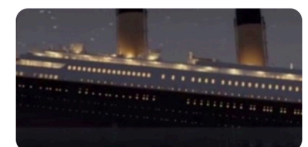   - Built and explained their models

Task 5: Join a Competition

1. Navigate to the **Titanic Competition**

2. Click "Join Competition"

3. Read the problem description and evaluation metric

4. Download the dataset

Task 6: Submit a Prediction

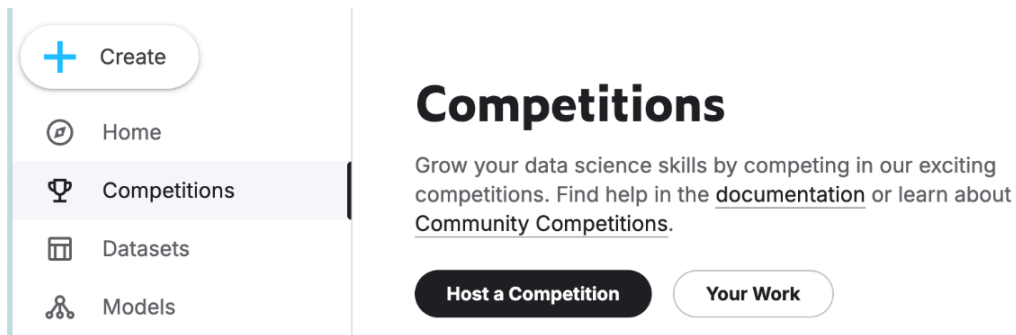1. Train a simple model or use a sample submission.

2. Upload .csv file for submission
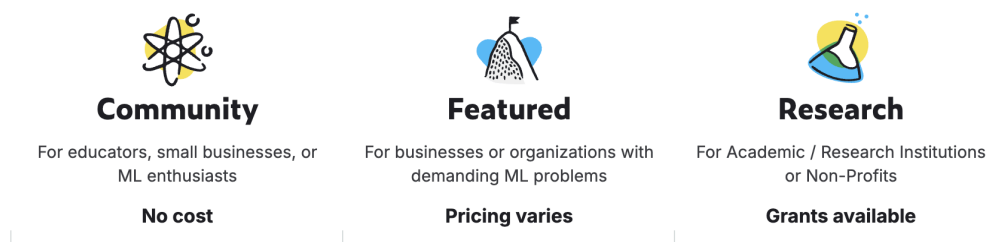

3. View your name on the Leaderboard

Task 7: Host a Competition(Understand the Process)

1. Visit: https://www.kaggle.com/competitions-host

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2. Kaggle offers a range of offerings for competition hosts. Select the one that's right for your needs.

Community
For educators, small businesses, or ML enthusiasts
No cost

Featured
For businesses or organizations with demanding ML problems
Pricing varies

Research
For Academic / Research Institutions or Non-Profits
Grants available

3. Choose what kind of competition you want to create.

Machine Learning Competition
Use your own dataset to create a competition
Machine Learning Competition

AI Generated Competition
Quickly create an ML Prediction Competition based on a dataset generated by AI

Clone a Competition You Hosted
Re-run a competition you hosted previously

Browse Cloneable Library
Use a competition created by another Kaggle user as a template

4. Define your problem, dataset, and evaluation metric

kaggle

Create

Home
Competitions
Datasets
Models
Code
Discussions
Learn
More

Your Work

testing

those who are can access.

Settings　Overview　Data　Code　Models　Discussion　Leaderboard　Rules　Team

2/10　**Off to a great start!** You've completed 2 of 10 tasks to launch your competition.　Launch Checklist

Overview

This is the home page of the competition. In this section, you should aim to succinctly introduce the competition.

Competition Host
IshaniUdeshika

Prizes & Awards
Kudos Edit