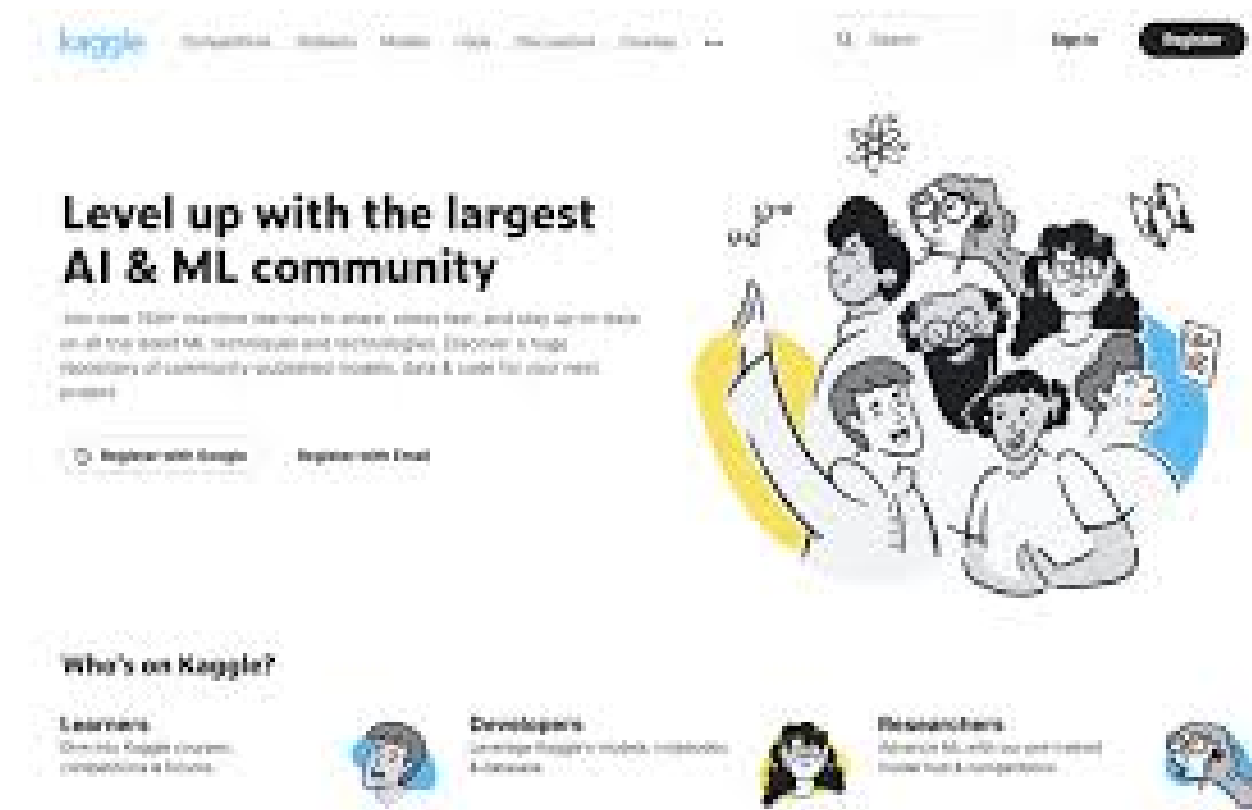


# kaggle



## END TO END KAGGLE GUIDE



# WHAT IS KAGGLE?

- Kaggle is the world's largest platform for data science and machine learning competitions.  
<https://www.kaggle.com/>
- Used by students, professionals, and companies to solve real-world problems
- Access to thousands of public datasets and code examples
- Build a public portfolio and connect with the global data science community

# STEP-1 CREATE YOUR ACCOUNT

kaggle

Competitions

Datasets

Models

Code

Discussions

Blog

Courses

...


 Search

Sign In

Register

## Level up with the largest AI & ML community

Join over 24M+ machine learners to share, stress test, and stay up-to-date on all the latest ML techniques and technologies. Discover a huge repository of community-published models, data & code for your next project.

 Register with Google

Register with Email




# STEP-2

# EXPLORE DATASETS AND

# COMPETITIONS



All datasetsComputer ScienceEducationClassificationComputer Science


Pre-Trained Model



**AI Tools Usage Among Global High School Students** :  
Daksh Bhatnagar · Updated 4 days ago  
Usability **10.0** · 7 kB  
4 Files (CSV)


▲ 21





**XAUUSD Gold Price Tracker: 2004–Present**  
Novandra Anugrah · Updated 12 days ago  
Usability **10.0** · 2 MB  
2 Files (CSV)

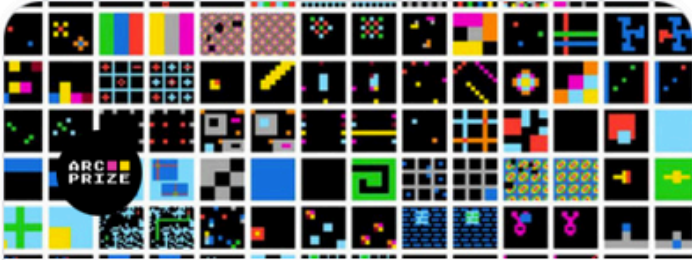
▲ 18



## Competitions

Grow your data science skills by competing in our exciting competitions. Find help in the [documentation](#) or learn about [Community Competitions](#).


Host a Competition



**ARC Prize 2025** :  
Create an AI capable of novel reasoning  
Featured · Code Competition  
527 Teams

\$1,000,000 ⓘ

5 months to go



**OpenAI to Z Challenge** :  
Use OpenAI o3/o4 mini and GPT 4.1 mode...  
Featured · Hackathon  
7498 Entrants

\$400,000 ⓘ

11 days to go



# KAGGLE WORKFLOW

1. Select a competition or dataset
2. Download or explore the data
3. Perform Exploratory Data Analysis (EDA): Understand the data, visualize, and find patterns
4. Data Preprocessing: Clean, transform, and prepare data for modeling
5. Feature Engineering: Create new features to improve model performance
6. Model Building: Train machine learning models (e.g., Decision Trees, XGBoost, Neural Networks)
7. Model Evaluation
8. Submission

# KAGGLE MILESTONES

**CONTRI-  
BUTOR**

Active participation:  
Regularly contribute to  
competitions, datasets,  
notebooks, and  
discussions.

**KAGGLE  
EXPERT**

Bronze medals: Earn at  
least 2 bronze medals  
in competitions to  
achieve the Expert tier.

**KAGGLE  
MASTER**

Bronze medals: Earn at  
least 2 bronze medals  
in competitions to  
achieve the Expert tier

**KAGGLE  
GRAND  
MASTER**

**Top-tier performance:**  
Achieve exceptional  
results in competitions  
and consistently  
contribute high-quality  
work across all areas

# Kaggle Notebooks and Collaboration

- Kaggle Notebooks are cloud-based Jupyter notebooks for code, visualization, and sharing
- Collaborate with others by sharing notebooks, joining teams, and participating in discussions
- Learn from public code and solutions shared by the community

# Integrating Kaggle with GitHub

- Export and share your Kaggle notebooks to GitHub for version control and portfolio building
- Steps:
  - Download your notebook from Kaggle
  - Create a GitHub repository and upload your notebook
  - Optionally, automate syncing using GitHub Actions or link directly from Kaggle
- Add a README to explain your project, workflow, and results



# PRO TIPS:

1. Master the Basics and Start Simple
3. Learn from the Community
4. Iterate and Experiment
5. Share on GitHub

## Learn from masters/ grand masters

- 1) short course on kaggle-  
<https://www.youtube.com/watch?v=kpRyiJUUFxY>
- 2) roadmap to become kaggle master  
<https://www.youtube.com/watch?v=WtIVaU9dvZg>



**THE  
END**

**Thank You**

The background is a vibrant abstract composition. It features large, flowing organic shapes in shades of purple, magenta, and pink. Overlaid on these are various geometric elements: a white circle with three small diamonds inside at the top left; a white wavy line; a vertical line of three diamonds on the right; a white circle on the right; a circle with white diagonal stripes on the right; a dotted circle at the bottom right; a red circle at the bottom right; and several other white geometric shapes like lines and circles scattered throughout. The text 'THE END' is in a large, outlined, sans-serif font, and 'Thank You' is in a bold, white, sans-serif font.