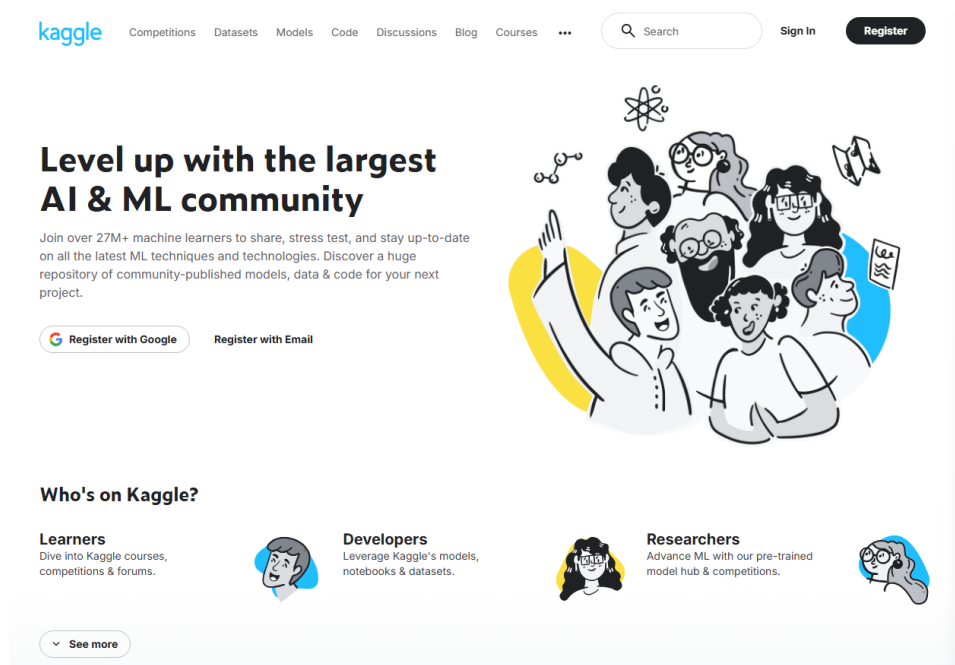


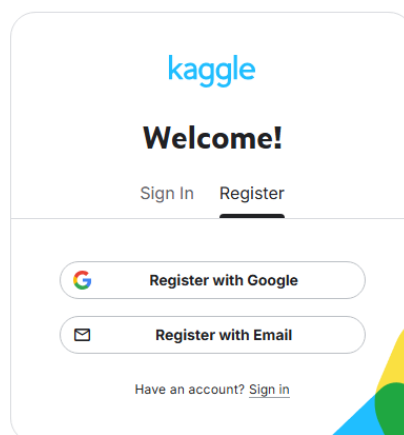
# Tarea 01 de Programación de Inteligencia Artificial

## Apartado 3: Consultar competición en plataforma de IA Kaggle

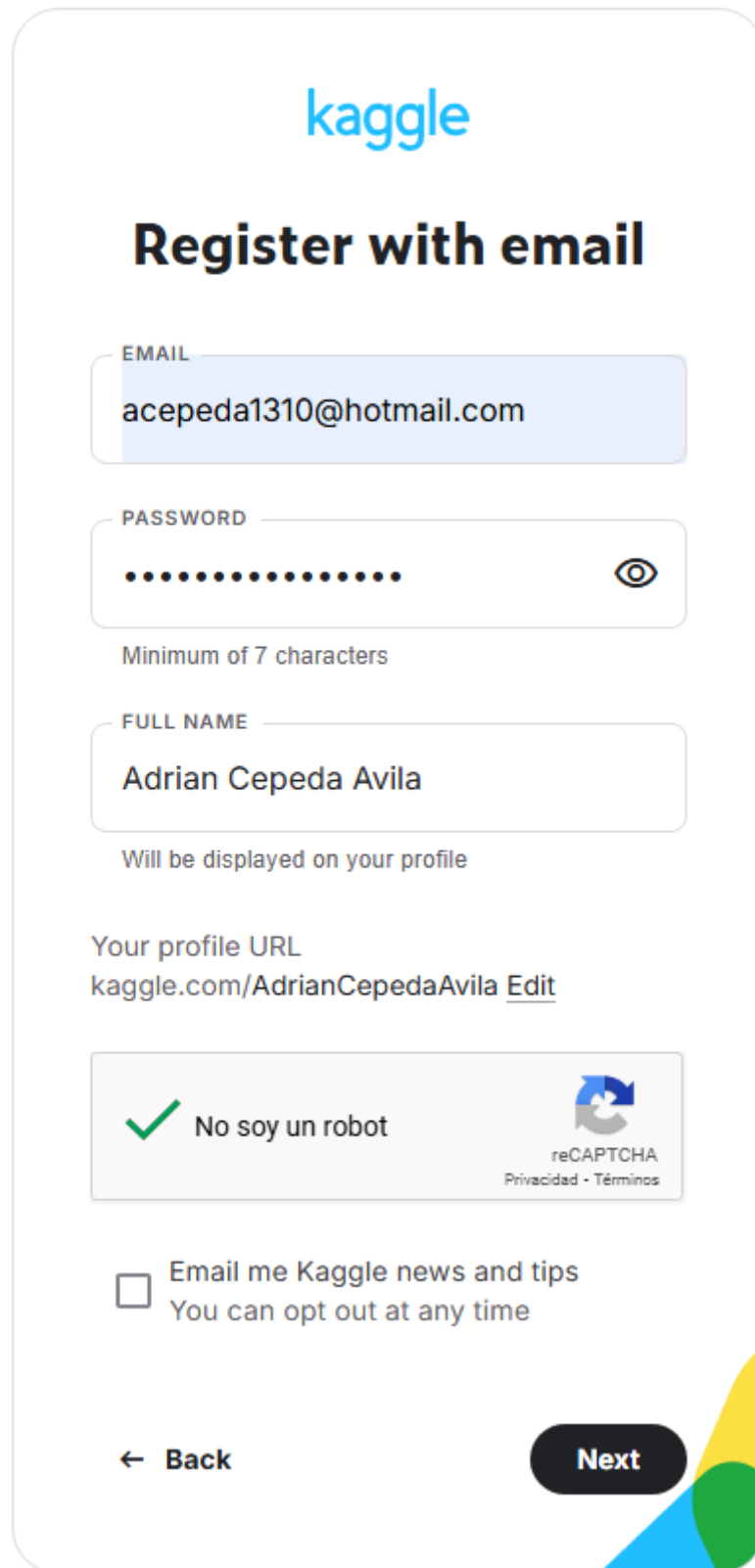
Accedemos a Kaggle. En la página principal, podemos registrar una cuenta desde el botón Register (esquina superior derecha), así como con los enlaces Register with Google (si usamos cuenta de Google) o Register with Email. Elegimos la primera opción.



Esta opción nos lleva a una pantalla con las 2 opciones que vimos antes (Google y email). Pulsamos sobre Email:



Nos aparecerá un formulario para poner nuestro correo, contraseña y nombre completo (recomendado no usar tildes, en caso contrario, en nuestra URL no pondrá esa letra). Marcamos el Captcha “No soy un robot” y pulsamos Next:




The image shows the Kaggle registration page. At the top is the Kaggle logo. Below it is the heading "Register with email". There are three input fields: "EMAIL" with the value "acepeda1310@hotmail.com", "PASSWORD" with masked characters and a toggle eye icon, and "FULL NAME" with the value "Adrian Cepeda Avila". Below the name field is a note "Will be displayed on your profile". Underneath is the "Your profile URL" section showing "kaggle.com/AdrianCepedaAvila" with an "Edit" link. A reCAPTCHA box contains a green checkmark and the text "No soy un robot", with links for "reCAPTCHA", "Privacidad", and "Términos". At the bottom, there is a checkbox for "Email me Kaggle news and tips" with the subtext "You can opt out at any time". Navigation buttons "Back" and "Next" are at the bottom.

**kaggle**

## Register with email

EMAIL  
acepeda1310@hotmail.com



PASSWORD  
..... 

Minimum of 7 characters

FULL NAME  
Adrian Cepeda Avila

Will be displayed on your profile

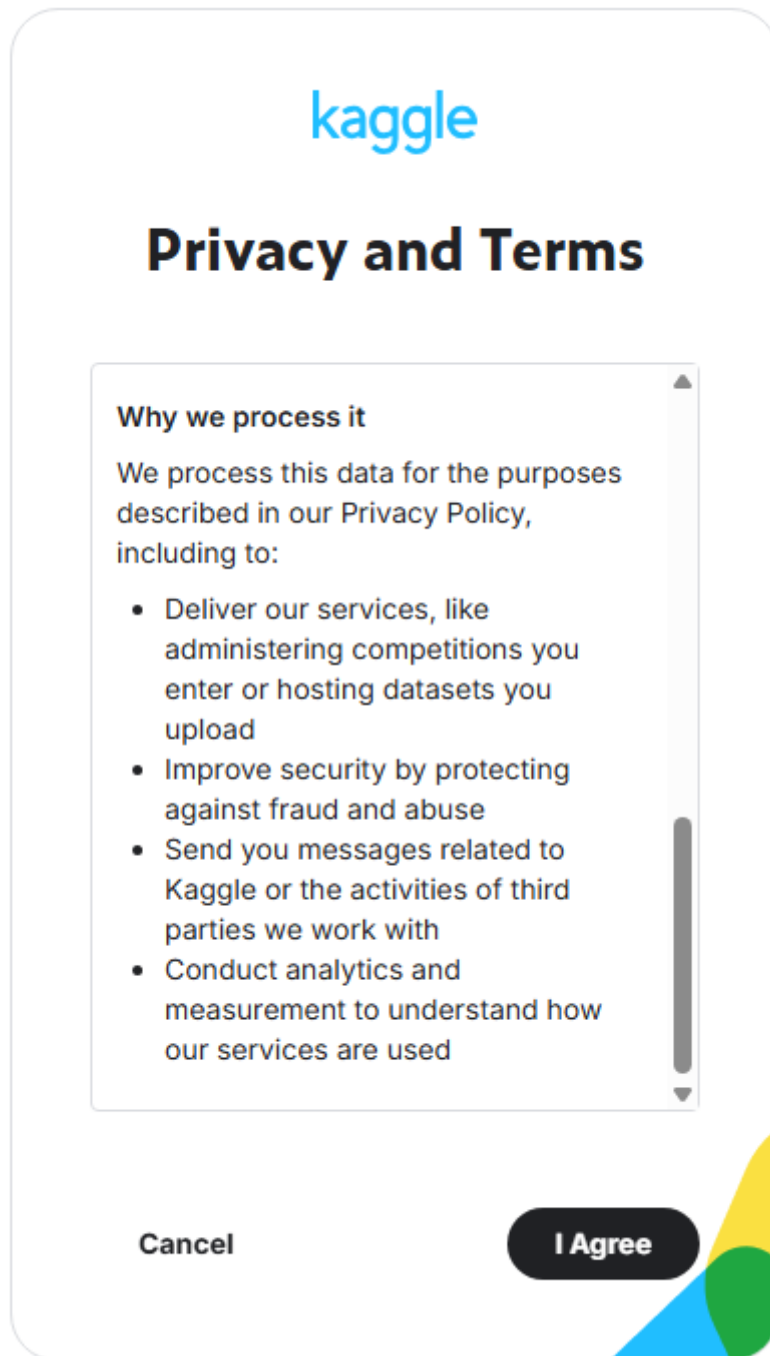
Your profile URL  
kaggle.com/AdrianCepedaAvila [Edit](#)

 No soy un robot   
reCAPTCHA  
[Privacidad](#) - [Términos](#)

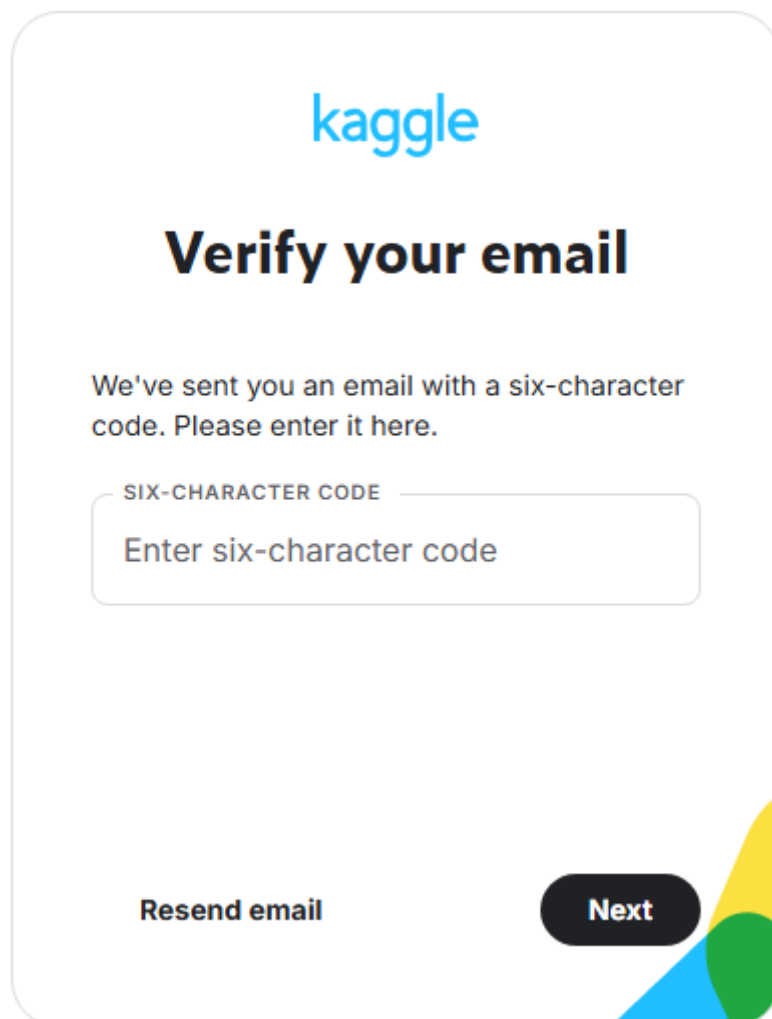
☐ Email me Kaggle news and tips  
You can opt out at any time

[← Back](#) [Next](#)

Nos aparecerá una pantalla con los términos de uso. Los leemos y pulsamos que estamos de acuerdo (I Agree):



Nos notifican que nos han enviado un correo electrónico con un código de 6 caracteres. Si no lo encontramos, revisaremos la carpeta de Spam. Lo copiamos y pegamos y pulsamos el botón de Siguiente:

The image shows a Kaggle email verification interface. At the top is the Kaggle logo in blue. Below it is the heading "Verify your email" in bold black text. A message states: "We've sent you an email with a six-character code. Please enter it here." Below this is a text input field with the placeholder text "Enter six-character code". Above the input field, the text "SIX-CHARACTER CODE" is displayed. At the bottom left is a link "Resend email". At the bottom right is a dark grey button labeled "Next". The bottom right corner of the card features a decorative graphic with yellow, green, and blue shapes.

kaggle

## Verify your email

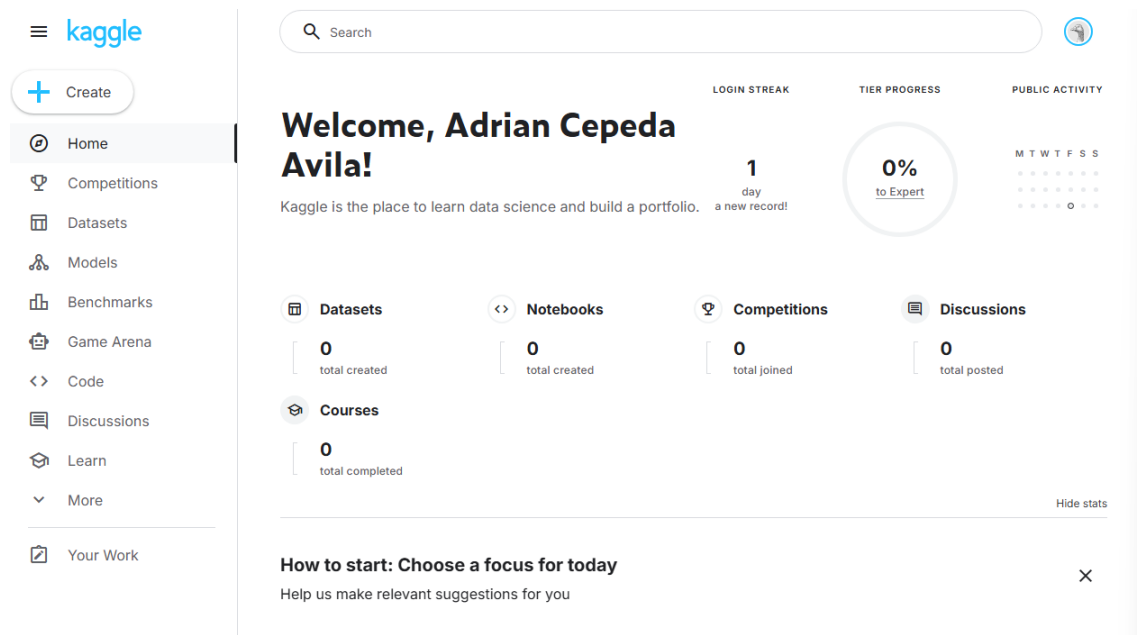
We've sent you an email with a six-character code. Please enter it here.

SIX-CHARACTER CODE

Resend email

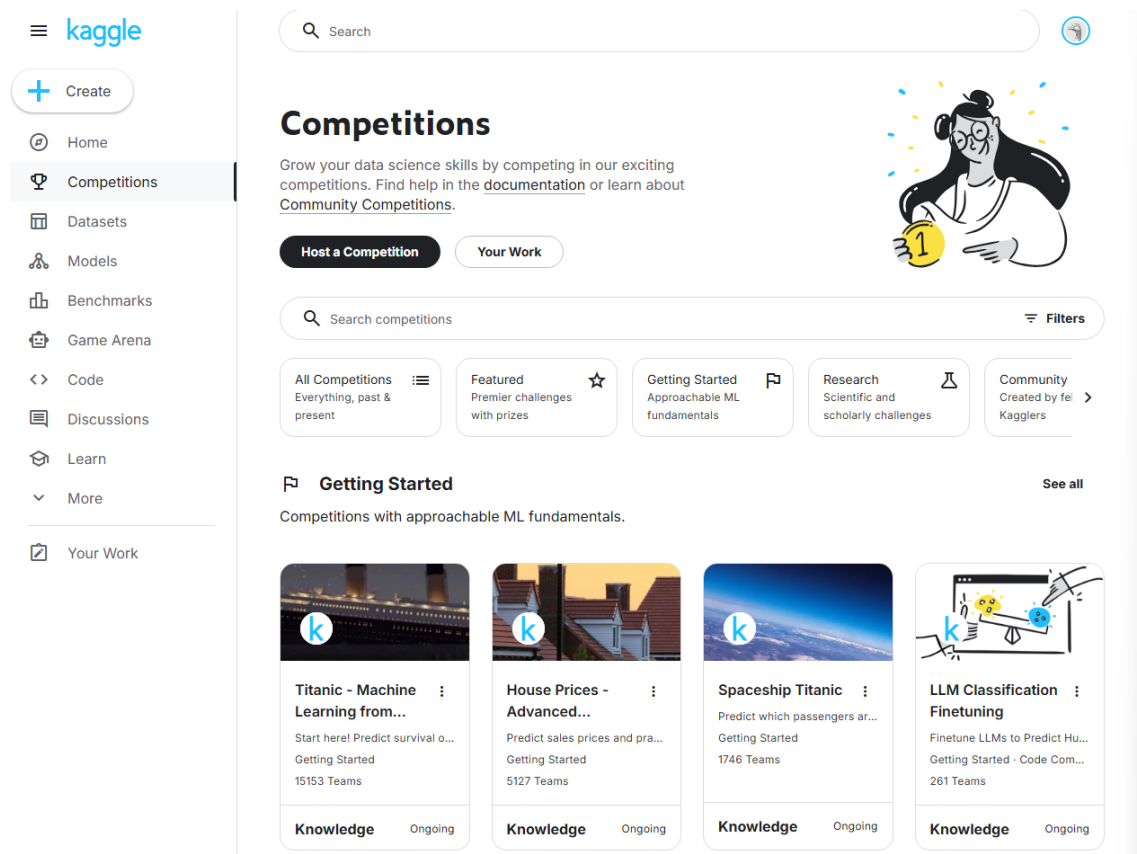
Next

Accedemos así a nuestro dashboard:



The screenshot shows the Kaggle dashboard for user Adrián Cepeda Ávila. The left sidebar contains navigation links: Home, Competitions, Datasets, Models, Benchmarks, Game Arena, Code, Discussions, Learn, and Your Work. The main content area features a welcome message, a search bar, and statistics for Datasets (0 total created), Notebooks (0 total created), Competitions (0 total joined), and Courses (0 total completed). A tier progress indicator shows 0% to Expert. A 'How to start' section suggests choosing a focus for today.

Y, en el menú lateral, vamos a Competitions:



The screenshot shows the Kaggle Competitions page. The left sidebar is the same as the dashboard. The main content area features a search bar, a 'Host a Competition' button, and a 'Your Work' button. Below these are filters for 'All Competitions', 'Featured', 'Getting Started', 'Research', and 'Community'. The 'Getting Started' section is highlighted, showing a list of competitions: Titanic - Machine Learning from..., House Prices - Advanced..., Spaceship Titanic, and LLM Classification - Finetuning. Each competition card displays the title, description, status (Getting Started), and the number of teams.

En el buscador, abrimos los filtros y filtramos por competencias activas:

The image shows a filter modal with the following sections and options:

- TAGS**: A search bar with the placeholder text "Search for tags".
- STATUS**: Four buttons: **Active** (highlighted), Entered, Completed, and Spotlight.
- PRIZES AND AWARDS**: Three buttons: Monetary, Medals, and Other.
- CATEGORIES**: Six buttons: Featured, Research, Getting Started, Playground, Community, and Simulations. There is also a Hackathons button below the others.
- PARTICIPATION**: Two buttons: Open to Everyone and Invitation Only.
- FOR HOSTS**: Two buttons: Your Competitions and Cloneable Competitions.

At the bottom right, there are two buttons: Clear and Done (highlighted).

Dentro de los resultados, podemos elegir cualquier competición. En mi caso, voy a elegir la primera:

## Competitions

[Your Work](#)[Filters](#)[Active](#) ×

### Results

[Recently Launched](#) ▾ 📊

#### CSIRO - Image2Biomass Prediction

Predict biomass using the provided pasture images  
Research · Code Competition · 341 Teams · 3 months to go

**\$75,000**[...](#)

#### Recod.ai/LUC - Scientific Image Forgery Detection

Develop methods that can accurately detect and segment copy-move forgeries within biomedical research images.  
Research · Code Competition · 244 Teams · 3 months to go

**\$55,000**[...](#)

#### PhysioNet - Digitization of ECG Images

Extract the ECG time-series data from scans and photographs of paper printouts of the ECGs.  
Research · Code Competition · 303 Teams · 3 months to go

**\$50,000**[...](#)

#### CAFA 6 Protein Function Prediction

Predict the biological function of a protein  
Research · 435 Teams · 3 months to go

**\$50,000**[...](#)

Al pulsar en la competición, nos abrirá una página donde podemos ver los datos de dicha competición:



CSIRO · RESEARCH CODE COMPETITION · 3 MONTHS TO GO

[Join Competition](#) ...

## CSIRO - Image2Biomass Prediction

Predict biomass using the provided pasture images

[Overview](#) [Data](#) [Code](#) [Models](#) [Discussion](#) [Leaderboard](#) [Rules](#)**This competition requires identity verification**

To submit to this competition, you'll need to verify your identity. [Learn More](#)

[Verify now](#)

### Overview

Build models that predict pasture biomass from images, ground-truth measurements, and publicly available datasets. Farmers will use these models to determine when and how to graze their livestock.

#### Start

3 days ago



#### Close

3 months to go



Merger & Entry

#### Competition Host

CSIRO



#### Prizes & Awards

\$75,000

Awards Points & Medals

#### Participation

3,731 Entrants

358 Participants

341 Teams

1,349 Submissions

#### Tags

[Biology](#)[Agriculture](#)[R2 Score](#)

### Description

Farmers often walk into a paddock and ask one question: "Is there enough grass here for the herd?" It sounds simple, but the answer is anything but. Pasture biomass - the amount of feed available - shapes when animals can graze, when fields need a break, and how to keep

Abrimos la pestaña de datos (segunda pestaña):

## CSIRO - Image2Biomass Prediction

Predict biomass using the provided pasture images



Overview **Data** Code Models Discussion Leaderboard Rules

### Dataset Description

#### Competition Overview

In this competition, your task is to use pasture images to predict five key biomass components critical for grazing and feed management:

- Dry green vegetation (excluding clover)
- Dry dead material
- Dry clover biomass
- Green dry matter (GDM)
- Total dry biomass

Accurately predicting these quantities will help farmers and researchers monitor pasture growth, optimize feed availability, and improve the sustainability of livestock systems.

#### Files

361 files

#### Size

1.11 GB

#### Type

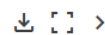
jpg, csv

#### License

[CC BY-SA 4.0](#)

A la derecha, ya nos indica cómo es el dataset: 361 archivos de tipo JPG y CSV, que pesan 1.11GB en total. Si bajamos abajo del todo, encontraremos el botón para descargar los datos:

sample\_submission.csv (161 B)



#### Competition Rules



To see this data you need to agree to the [competition rules](#).  
Join the competition to view the data.

[Join the competition](#)

#### Data Explorer

1.11 GB

- ▶ test
- ▶ train
- ▣ sample\_submission.csv
- ▣ test.csv
- ▣ train.csv

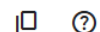
#### Summary

- ▶ 361 files
- ▶ 14 columns

[Download All](#)

#### DOWNLOAD DATA

```
>_ kaggle competitions download -c csiro-biomass
```





Si pulsamos el botón de descarga, nos saldrán las normas de la competición para unirnos a ella y así poder descargar los datos:

## CSIRO - Image2Biomass Prediction

Predict biomass using the provided pasture images



[Overview](#) [Data](#) [Code](#) [Models](#) [Discussion](#) [Leaderboard](#) [Rules](#)

### Competition Rules

#### ENTRY IN THIS COMPETITION CONSTITUTES YOUR ACCEPTANCE OF THESE OFFICIAL COMPETITION RULES.

**See Section 3.18 for defined terms**

The Competition named below is a skills-based competition to promote and further the field of data science. You must register via the Competition Website to enter. To enter the Competition, you must agree to these Official Competition Rules, which incorporate by reference the provisions and content of the Competition Website and any Specific Competition Rules herein (collectively, the "Rules"). Please read these Rules carefully before entry to ensure you understand and agree. You further agree that Submission in the Competition constitutes agreement to these Rules. You may not submit to the Competition and are not eligible to receive the prizes associated with this Competition unless you agree to these Rules. These Rules form a binding legal agreement between you and the Competition Sponsor with respect to the Competition. Your competition Submissions must conform to the requirements stated on the Competition Website. Your Submissions will be scored based on the evaluation metric described on the Competition Website. Subject to compliance with the Competition Rules, Prizes, if any, will be awarded to Participants with the best scores, based on the merits of the data science models submitted. See below for the complete Competition Rules. For Competitions designated as hackathons by the Competition Sponsor ("Hackathons"), your Submissions will be judged by the Competition Sponsor based on the evaluation rubric set forth on the Competition Website ("Evaluation Rubric"). The Prizes, if any, will be awarded to Participants with the highest ranking(s) as determined by the Competition Sponsor based on such rubric.

You cannot sign up to Kaggle from multiple accounts and therefore you cannot enter or submit from multiple accounts.

#### 1. COMPETITION-SPECIFIC TERMS

##### 1. COMPETITION TITLE

CSIRO - Image2Biomass Prediction

### Rules

#### Competition Rules

ENTRY IN THIS COMPETITION CON...

#### 1. COMPETITION-SPECIFIC TERMS

1. COMPETITION TITLE
2. COMPETITION SPONSOR
3. COMPETITION SPONSOR ADDRE
4. COMPETITION WEBSITE
5. TOTAL PRIZES AVAILABLE: \$75,0.
6. WINNER LICENSE TYPE
7. DATA ACCESS AND USE

#### 2. COMPETITION-SPECIFIC RULES

1. TEAM LIMITS
2. SUBMISSION LIMITS
3. COMPETITION TIMELINE
4. COMPETITION DATA
5. WINNER LICENSE
6. EXTERNAL DATA AND TOOLS
7. ELIGIBILITY
8. WINNER'S OBLIGATIONS
9. GOVERNING LAW

#### 3. GENERAL COMPETITION RULES ...

Click "Join Competition" to view and accept the competition's terms and conditions.

[Join Competition](#)

Nos pedirá un número de teléfono para enviarnos un código y así demostrar que somos humanos:


### Just one thing—first verify your account

Enter your phone number and we'll send you a code

COUNTRY  
ES +34 es

PHONE NUMBER  
Phone number

☐ No soy un robot

  
reCAPTCHA  
Privacidad - Términos

[Cancel](#) [Start verification](#)

Verifying with a phone number helps us prevent spam and fraud on Kaggle.

- You can only have one Kaggle account. If you have another account, you'll need to first delete that account.
- The phone number needs to be yours, and not a public or shared number.
- Message and data rates apply.

[Contact us for help >](#)

[Terms and Conditions](#) - [Privacy](#)

Tras realizar la verificación, volvemos a pulsar en Join Competition y nos saldrán los términos y condiciones. Los leemos, y pulsamos en I Understand and Accept:

## Review competition terms and conditions

By clicking on the "I Understand and Accept" button below, you agree to be bound by the competition rules for [CSIRO - Image2Biomass Prediction](#).


COMPETITION-SPECIFIC RULES

**ENTRY IN THIS COMPETITION CONSTITUTES YOUR ACCEPTANCE OF THESE OFFICIAL COMPETITION RULES.**


**See Section 3.18 for defined terms**

*The Competition named below is a skills-based competition to promote and further the field of data science. You must register via the Competition Website to enter. To enter the Competition, you must agree to these Official Competition Rules, which incorporate by reference the provisions and content of the Competition Website and any Specific Competition Rules herein (collectively, the "Rules"). Please read these Rules carefully before entry to ensure you understand and agree. You further agree that Submission in the Competition constitutes agreement to these Rules. You may not submit to the Competition and are not eligible to receive the prizes associated with this Competition unless you agree*

COMPETITION TERMS AND CONDITIONS



I agree to the Competition-specific rules above and Kaggle's Foundational Competition Rules. The Kaggle Competition Foundational Rules supersede the Competition-specific rules in the event of any conflict.



I understand joining this Competition creates a direct relationship between the Host and me. Kaggle has no liability for any promised prizes, commitments, content, or actions of a Host or Participant.

Decline

I Understand and Accept

Volvemos a Data, y ahora sí nos deja descargar el dataset, el cual se descargará en formato comprimido (ZIP):

