

# ChALLENGE Data

By MathA



COLLÈGE  
DE FRANCE  
—1530—



## Participant user guide

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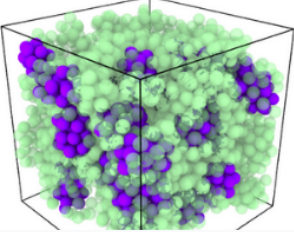






For general information on the Challenge Data, please read the *general documentation*.

## Choosing and registering to a challenge

When logged in as a participant, go to the “challenge” tab. Choose a year. You should see a list of challenges with their logo.

### Challenges of the 2023 season

Organized by the DataTeam @ENS, the Data Lab @ILB and IDRIS team @CNRS

 <p>Colloids: How small can we go?</p> <p>Competitive challenge   Physics</p> <p>Regression</p>	 <p>Few-shots to learn anatomic structures in radiology</p> <p>Competitive challenge   Biology</p> <p>Health   Segmentation</p> <p></p>	 <p>How to detect a niche of fraudsters?</p> <p>Competitive challenge</p> <p>Economic sciences   Finance</p> <p>Classification</p>
		

### Difference between current year and past years challenges

Challenges from current year and past years are continuously running. The only differences are the date they were added to the platform and the events that are organized at Collège de France for current year challenges.

## Classic challenge page

Select a challenge, you should see this page.

ESG indicators missing value estimation  
by Pladifès

Introduction Public leaderboard Private leaderboard Submissions

I want to participate alone I want to participate in a team

Description Metric

**PLADIFÈS**  
**impactfull**

Competitive challenge Economic sciences Finance Regression Tabular  
Less than 10MB Intermediary level

Dates  
Started on Jan. 6, 2023

Challenge de données 2023 : Esti...  
2023  
CHALLENGE DE DONNÉES  
COLLÈGE DE FRANCE

Metric of the challenge.  
[Download metric file](#)

Files

You have to be registered to the challenge to download the files.

The challenge provider

**PLADIFÈS**  
**impactfull**

Pladifès is a research project hosted at the Institut Louis Bachelier. Impactfull provides sustainable finance consulting

A challenge page always contains the following sections:

- **Challenge context:** the importance of the problem for the challenge provider
- **Challenge goal:** the participant's goal
- **Data description:** a description of the columns of input/output, train/test files
- **Benchmark description:** a basic solution from the provider and its score
- **Files** (available after registering): the link to download data as well as supplementary file (depending on the challenge)
- **Metric** (available after registering): the metric used for the challenge, it can be a classic metric or a custom metric from the provider that you can download for information
- **The challenge provider:** a quick description of the provider
- **Contact** (available after registering): an email or website address to contact the provider for questions on the challenge

### Register alone, as a team, as a student

Once you have chosen a challenge you need to register to it.

If you're participating alone, from the challenge page, just click on "I want to participate alone". If you're a student of a course made on the Challenge data, choose the name of the course from the available courses for this challenge.

## Challenge Data

Predicting response times of the Paris Fire Brigade vehicles  
by None

Introduction Public leaderboard Private leaderboard Submissions

Registration to the challenge Predicting response times of the Paris Fire Brigade vehicles by None

Course:

Data course

If you participate in a team, choose "I want to participate in a team" from the challenge page and select the usernames of your teammates.


## Submit a solution

Once you have downloaded the data and produced a prediction of the output associated to  $x_{test}$  you can submit it. You can only submit solution **twice** a day. From the challenge page click on "Submit a solution".

ESG indicators missing value estimation  
by Pladifés

Introduction Public leaderboard Private leaderboard Submissions

Description Metric



Metric of the challenge.  
[Download metric file](#)

Course

Not registered with course

Files

Competitive challenge Economic sciences Finance Regression Tabular

Less than 10MB Intermediary level

Dates  
Started on Jan. 6, 2023

On the following page, enter a quick description of the method used and the parameters of your model. Upload a file and click on "Submit".

## Challenge Data

Wind Power forecasting for the day-ahead energy market  
by provider 59

Introduction	Submissions	Public ranking	Public academic ranking	Final ranking
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Submit a solution

---

method:

parameters:

Y test csv file:

Aucun fichier choisi

You should see the following.

## Challenge Data

Wind Power forecasting for the day-ahead energy market  
by provider 59

Introduction	Submissions	Public ranking	Public academic ranking	Final ranking
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Submit a solution

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Successful submission !

Your submission score is : 157.77348703232659

## Format error and other errors

Occasionally you may encounter errors while submitting. Most of the time, this is due to the format of your submission file. In order to know exactly what format your submission should have, a “random\_submission\_file” is made available to you on the “data” section from the challenge page.

In some cases the metric takes a lot of time to be computed, in that case, you’ll have to wait a few seconds after clicking on “Submit”. If it doesn’t work do not hesitate to try again.

## Select your submission for rankings

Public and private leaderboards are established using one submission per participant. By default, your best submission on the public set is chosen, with the risk of overfitting the data, because this submission may behave differently on the private test set.

You can overwrite this choice by going on the “Submissions” tab from the challenge page.

### Challenge Data

Wind Power forecasting for the day-ahead energy market  
by Compagnie Nationale du Rhône

Ranking	Date	Method	Parameters	Public score	Selection
1	April 30, 2020, 11:59 a.m.	Random	No parameters	157.773487032327	Select
2	April 27, 2020, 7:14 p.m.	Basic NN	-	157.773487032327	Select
3	April 27, 2020, 6:55 p.m.	Basic NN	-	157.773487032327	Select

You will see a list of all your submissions so far. Find the submission you want to use for rankings and click on “Select”.

## Public and private leaderboard

The public leaderboard is continuously available on the tab “Public leaderboard” from a challenge page. Participants are ranked based on the public score of the submission they selected.

A private leaderboard is also edited and **hidden** from participants. It is the **official ranking**. It is based on the score of your selected submission on the private set. The private leaderboard is revealed only twice a year on June 15<sup>th</sup> and December 15<sup>th</sup>. On the tab “Private leaderboard”, you’ll see the latest private leaderboard edited.

## Academic leaderboard for students

If you registered to a challenge as student of a course on the Challenge Data you will also have academic leaderboards. Exactly as before, there is in that case a public and private academic leaderboard. The private academic leaderboard is only revealed at the end of the course (date set by your professor) and at an intermediate date of your course if your professor set one. To check these leaderboards, once registered to the course, select “Public academic leaderboard” or “Private academic leaderboard” tabs.

## About exact date time

Any date dd/mm/yyyy that is mentioned on the website, is understood as dd/mm/yyyy **11:59 pm GMT+00**.

For example, the private leaderboard is revealed every year on Dec 15 11:59 pm GMT+00 (which in France for example would correspond to Dec 16 00:59 am).

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