

ChALLENGE Data

By MathA



COLLÈGE
DE FRANCE
—1530—



Professor User Guide

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

Creating a new course

The screenshot shows the Django administration interface for creating a new course. The page title is "Django administration" and the user is logged in as "WELCOME, TESTPROF". The breadcrumb trail is "Home > Professors > Courses > Add course". The main heading is "Add course".

Below the heading, there is a "Back to course" link. The form fields are:

- Name:** A text input field containing "Data source".
- Challenges:** A list box containing several challenge titles, such as "(2019): Optimizing well-being at work from provider sylvain.lecorff", "(2019): Prediction of daily stock movements on the US market from provider CFM", "(2019): Dynamic Profile Forecasting from provider ENEDIS", "(2020): Stock Return Prediction from provider nazbenQRT", "(2020): PhotoRoom Object Segmentation from Synthetic images from provider eliotandres", "(2020): Deep Hedging for an Equinox from provider Mattis", "(2018): Volatility prediction in financial markets from provider CFM", and "(2019): Solve 2x2x2 Rubik's cube from provider sloustau".
- Start date:** A date input field set to "2020-04-05" with a "Today" button and a calendar icon. A note below says "Note: You are 1 hour ahead of server time."
- End date:** A date input field set to "2020-07-01" with a "Today" button and a calendar icon. A note below says "Note: You are 1 hour ahead of server time."
- Intermediate ranking date:** A date input field set to "2020-05-12" with a "Today" button and a calendar icon. A note below says "Note: You are 1 hour ahead of server time."
- Instructions:** A text input field containing "Here are instructions".
- Report required:** A checkbox that is checked.

At the bottom right, there are three buttons: "Save and add another", "Save and continue editing", and "SAVE".

Once your professor account created on “My space”, you can click on “Create a new course”. You will need to complete the following information:

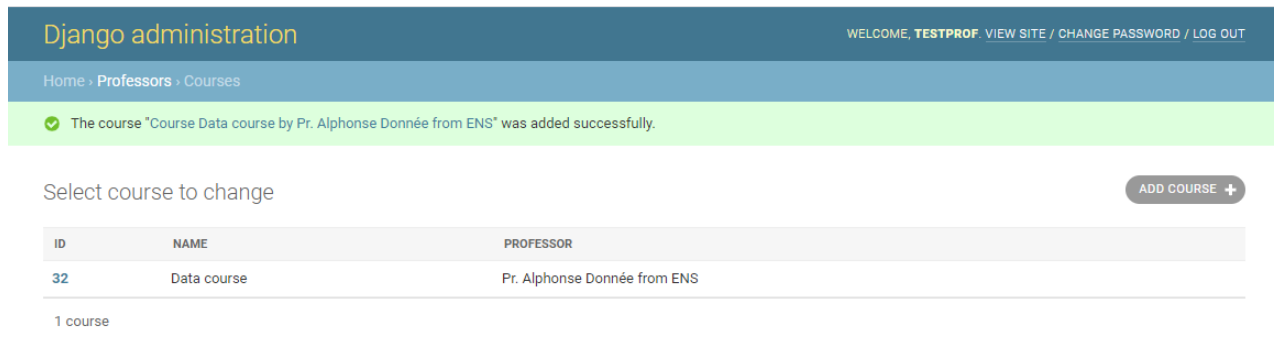
- **Name:** the name of your course.
- **Challenges:** the challenges students are authorized to compete on. You can select several challenges (Ctrl+click on Windows, cmd + click on Mac for example).
- **Start date / End date:** the dates between which submissions of your students will be taken into account for your course.
- **Intermediate ranking date** (optional): a date at which your student will access the score of their selected submission on the private set. It enables your students to know if the model they choose overfits the public data set or not before the end of the course.
- **Instructions:** some instructions for your students. They will appear to your students on the challenge pages once they selected your course.
- **Report required:** asks students to upload a report file.
- **Students account:** don't tick this box, unless you're a high school teacher and you want to create a class account associated to the course. In this case, contact us at challenge.data@ens.fr.

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, if you entered December 30 as end date for your course, your student will have until Dec 30 11:59 pm GMT+00 to submit solutions (which in France for example would correspond to Dec 31 00:59 am).

After clicking on “save” button, your course is created and you can change this information by clicking on the “ID” of your course. You can go back to the website by clicking on “VIEW SITE”.



The screenshot shows the Django administration interface. At the top, there is a dark blue header with the text "Django administration" on the left and "WELCOME, TESTPROF VIEW SITE / CHANGE PASSWORD / LOG OUT" on the right. Below the header is a light blue breadcrumb trail: "Home > Professors > Courses". A green success message banner reads: "✔ The course "Course Data course by Pr. Alphonse Donnée from ENS" was added successfully." Below this, the text "Select course to change" is displayed on the left, and an "ADD COURSE +" button is on the right. A table with three columns: "ID", "NAME", and "PROFESSOR" is shown. The table contains one row with the following data: ID: 32, NAME: Data course, PROFESSOR: Pr. Alphonse Donnée from ENS. Below the table, it says "1 course".

ID	NAME	PROFESSOR
32	Data course	Pr. Alphonse Donnée from ENS

Past, current challenges, what is the difference?

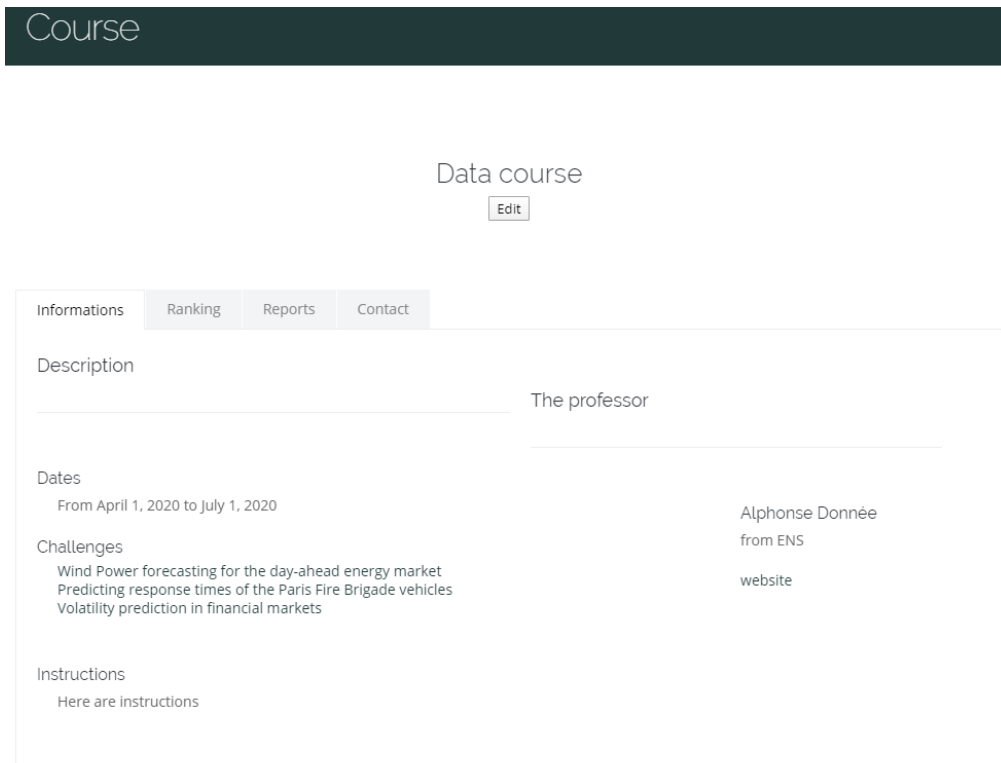
As you will see, you can choose challenges from current year as well as challenges from past years. You can thus take fully advantage of the variety of challenges published over the years, sound, health, public services, finance, energy, image, NLP ...

It makes **no difference for your students** to compete on past or current challenges. On both cases they see their result on the public set and are evaluated on the private set. However, a ceremony is held every year to reward best participants of the current edition at Collège de France.

Getting rankings

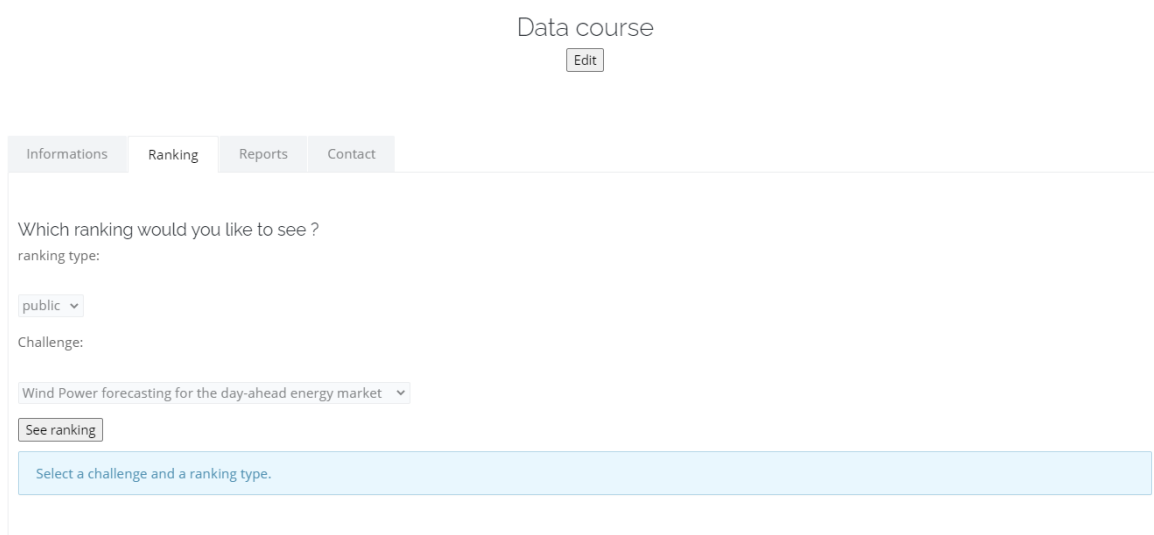
Now from “My Space” you can see the course you just created. To get the ranking of your course, follow these instructions.

- 1- Click on the name of your course. You should now see the following.



The screenshot shows a dark header with the word "Course" in white. Below it, the page title "Data course" is centered, with an "Edit" button underneath. A navigation bar contains four tabs: "Informations", "Ranking", "Reports", and "Contact". The "Informations" tab is active. The main content area is divided into sections: "Description" with a horizontal line and the text "The professor"; "Dates" with the text "From April 1, 2020 to July 1, 2020"; "Challenges" with a list of three items: "Wind Power forecasting for the day-ahead energy market", "Predicting response times of the Paris Fire Brigade vehicles", and "Volatility prediction in financial markets"; and "Instructions" with the text "Here are instructions". On the right side of the page, the text "Alphonse Donnée from ENS" and "website" is visible.

- 2- Under “Ranking” choose one of the challenges available in your course. Choose whether to output the public or private ranking. You will then get the current leaderboard corresponding to your request (see image below).



The screenshot shows the same "Data course" page, but with the "Ranking" tab selected in the navigation bar. The main content area asks "Which ranking would you like to see ?" and "ranking type:" with a dropdown menu set to "public". Below this, it asks "Challenge:" with a dropdown menu set to "Wind Power forecasting for the day-ahead energy market". A "See ranking" button is visible. At the bottom, a light blue box contains the text "Select a challenge and a ranking type."

Public, private leaderboards, what your students see.

Your students choose the submission they want to be considered for the rankings (by default the submission with the best public score).

The public leaderboard is based on the scores of their submission on the **public** set of the data.

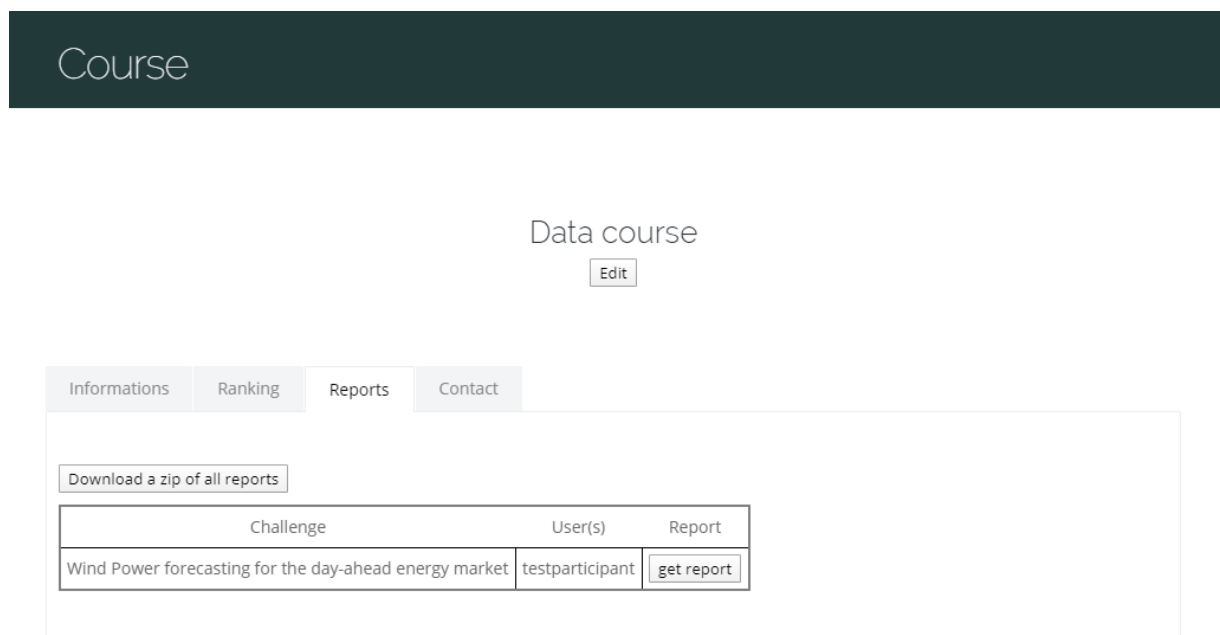
The private leaderboard is based on the scores of their submission on the **private** set of the data.

Your students have permanent access to public leaderboard. They see the private leaderboard only at the intermediate ranking date, if you entered one, and at the end of your course.

Be aware that the private leaderboard of every challenge is published twice a year, on June the 15th and December the 15th.

Getting reports of your students

Go to “My Space” and click on the tab “Reports”. You should obtain the following:



The screenshot shows a course interface with a dark header bar containing the word "Course". Below the header, the text "Data course" is displayed with an "Edit" button underneath. A navigation bar contains four tabs: "Informations", "Ranking", "Reports", and "Contact". The "Reports" tab is active. Below the tabs, there is a button labeled "Download a zip of all reports". A table displays the following data:

Challenge	User(s)	Report
Wind Power forecasting for the day-ahead energy market	testparticipant	get report

Contact students of your course

If you want to contact your students, go to “My Space” and click on the tab “Contact”. Fill the subject and body of your mail. Students registered to your course will receive your message as an email from webmaster@challengedata.ens.fr with subject prefix “[Challenge Data]”

Contact us for assistance

If you have any questions that this guide doesn’t answer, check the “FAQ” tab of the website for frequently asked questions. If you can’t find the answer to your question or notice any issue with the website, you can contact us using “Contact” tab.

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