

## Metyis: Scientific Data Challenge

This exercise consists of **a case that will help us evaluate your knowledge and skills as data scientist**. To do so, we will ask some questions related to the **analysis of some data**.

We would like to kindly ask you to prepare a business presentation (30 minutes maximum) to deal with the proposed questions. You will be required to deliver the presentation during the first interview (face to face or online).

After the presentation, there will be a round of questions (approximate duration 10-20 minutes). During the round you will be requested to answer some questions about the case, by your Metyis consultants.

The **language and explanations** used during the presentation will have to be **adequate to be understood by an interlocutor who is non-expert in analytics**.

**Deliverables:** before the interview you will have to deliver:

- PowerPoint (or similar) presentation to support your discourse during the live presentation
- Developed code you have used to obtain the results of your analysis (preferably in a GIT repository).

**Aspects to be evaluated** in this exercise:

- Analytical Skills
- Communication skills (both oral and written)
- Good level of coding practice

### Data

The set of data to be analyzed is about the cinema box office takings. In the following link you have the data and the detailed contents:

<https://www.kaggle.com/danielgrijalvas/movies>

### Questions

In the presentation it is expected you give some recommendations about the type of movies a film production company would have to do if the box takings have to be maximized. As an example, we provide some of the questions that the company could have:

- In which genre I would have to focus?
- How important is to produce a good film (high IMDB rating) to get lots of takings?
- Is it better to produce a film for a general audience or is it better to produce a film targeted to a particular segment?
- Is there an actor/actress that guarantees the success of the film? Or a director?
- ...

For any doubts related to the exercise, please contact Albert Ferré [albert.ferre@metyis.com](mailto:albert.ferre@metyis.com)