

# Instructions for Data Science group technical interview and presentation

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## Context

The Data Science group has designed a data mining problem to test candidates abilities. This scenario reproduces a fictive situation where you are asked to analyse the sentiment of health authority feedback and like in real life, help the corresponding regulatory affairs colleagues to understand their data better. The scenario and the data will be given to candidates some time before their on-site interview. You are asked to analyse and present your analysis results by preparing a 30 min presentation. The scenario questions can be answered in one hour.

## Rules of the game

We send you the scenario as a homework with the idea of reproducing as much as possible how one really work on a problem. We think that asking somebody to do an analysis on-the-spot during the interview is not representative of how one works in real-life. In real-life you work with books and online help like Stackoverflow etc.

- You are not allowed to share or post the scenario and/or the data with others either online or in person.
- We want the presentation you will give to be a reflection of your own work and not a collaborative work from two or more people.
- You are allowed to use any book and online source of information you like to solve the problem.

- You are allowed to ask questions on online forum about specific technical problem but not general question such as the one in the scenario.

We obviously have no way of enforcing these rules and rely on a code of honour.

## Sharing your code with us

Create a free account on GitHub or bitbucket and check in your code as you begin to work on the problem (hint: think commit history). Two days before the interview commit all your work to the online git repository, send by email your powerpoint/pdf presentation and the link to the repository to Hendrik Esch [hendrik.esch@bayer.com](mailto:hendrik.esch@bayer.com). We will review this code and, among other things, ask you questions about it during the technical interview.

## Important details

Chance are the presentation will be followed by several people in other locations across the globe. Hence the slides will be displayed from an Bayer laptop. Please make sure to share the latest version by email with Hendrik Esch before the interview.

If you think you will not be able to do the work describe here for any reason (holidays, laptop crash, no time...) get in contact with us as soon as possible. Don't worry, this does not affect your invitation to interview or your chance of success to the position. A new interview format will be communicated to you.