

Data Science Task & Session

Task:

Your task is to explore the attached eCommerce dataset (*data.xlsx*) with Python. What exactly you do with the data is up to you. See whether you can find anything in the data that could be interesting. This could be summary statistics that give an overview of the data, simple machine learning techniques to discover potential patterns in the data, or basic models that can predict something for new data. The analysis does not necessarily have to be conservative, you are also free to try something experimental just for fun.

We expect you to work on this task for about 2-3 hours. We completely understand that this is not enough time to come up with anything groundbreaking, so focus on telling us about your thought process: What did you think about the dataset, what were you interested in, what methods did you try, what problems did you encounter, and what would you do if you had more time? Some people in the audience might not know anything about the dataset or about machine learning techniques, so make sure to present your analysis in a beginner-friendly way.

We want you to walk us through all the code you wrote for this task. You could either prepare some slides and paste your code and results there, or do the presentation with a tool like jupyter notebooks.

Presentation @ commercetools office Berlin:

In the data science session, we want to learn more about your background, your goals and your approach to data science problems. You will have a meeting together with data scientists, software engineers and product owners which is for about 45 min.

During this time we would like you to introduce yourself (your background and why you applied to commercetools (max 5-10 min)) and present your results of the task (10-15 min). The rest of the time is planned for discussion, our - and of course also your - questions.

Please inform our Talent Acquisition Manager, Daniela (daniela.becker@commercetools.de), whether you will use your own laptop for the presentation or whether you will send us your slides in advance (make sure that the file format is mac-compatible, best would be Keynote or PDF).

We are looking forward to meeting and discussing the results with you!