

Exercise - Data Scientist

Problem: **Book recommendations** - „I like Lord of the Rings, what else should I read?“

Goal:

- try to design a solution to the problem above
- send us the solution along with the code, we will discuss your results on the meeting where you show how you think about the problem, explain what approach you used and why, explain the limitations of the approach and how things could be improved if there was more time, what you think of the results and if they make sense, etc.

Philosophy:

- the actual result and code are not that important – your thinking about the problem is more important
- if you are able to implement your ideas then great, if you just start something and have a clear idea on how to proceed that is also useful
- the expectation is that you will spend up to 5 hours with the task (but there are no bounds to proactivity if you enjoy playing with the problem)

Data:

- available open dataset: <http://www2.informatik.uni-freiburg.de/~ciegler/BX/>
- alternatively feel free to grab any other relevant data set

Tools:

- use your favorite tooling (R, Python, Java, SQL,...) or feel free to use it as an opportunity to try out a new language
- it is not a contest in finding the best black-box library and blindly using it – own solutions are preferred even if they are simple
- how to present: up to you – slides, walking through code, drawing, ...