

This lab is a continuation of the lab Designing a Search System, 1. We strongly suggest that you do it with the same partner.

Recover your proposal for “Designing a Search System, 1” about helping researchers manage the deluge of papers published every week, their reputation, etc.

Given what you have learned in the second part of the course, and in particular:

1. Big Data generalities
2. Latent Semantic Indexing, Consistent Caching
3. Streaming
4. Recommender Systems
5. Network analysis

... what improvements or extensions can you add to your proposal?

Structure your discussion in three categories:

- A. Improvements in the functionalities you already offered
- B. Brand new functionalities
- C. Improvements in efficiency or scalability.

You do NOT need to use all 5 of the topics, but make some use of at least 2 of them.

You do NOT need to propose all three kinds of improvement A, B, C, but make sure you propose at least two improvements, preferably from at least two different categories.

You do not need to give a lot of detail about each improvement (such as formulas). Just enough to convince yourselves (and us) that what you say is doable with reasonable effort. One or two paragraphs, if well written, should suffice.

1 Deliverables

Rules: Same rules as in previous labs about working solo/in pairs and plagiarism.

To deliver: A report in PDF with at most 2 pages.

Procedure: Submit your work through the Racó.

Deadline: Work must be delivered within **2 weeks** from the lab. Late deliveries risk being penalized or not accepted at all. If you anticipate problems with the deadline, tell us as soon as possible.