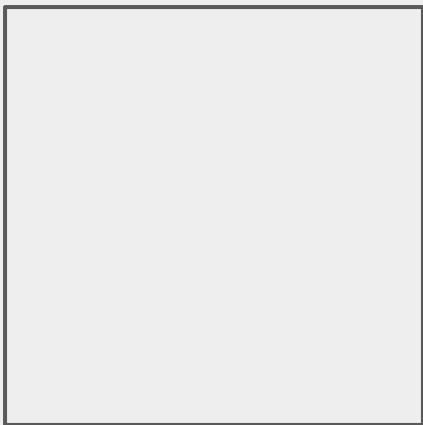


# D.I.Y. Recommender System

DSPT Aveiro Sep-2019

# / About Me

- João Gomes (Sousa)
- 5 years as a Data Scientist at Farfetch
- Mostly worked on the internal Rec System, *Inspire*
- PhD in computational and statistical physics from U. Aveiro
- Reach me at **[data@jgsousa.com](mailto:data@jgsousa.com)**, **[linkedin.com/in/jgsousa](https://www.linkedin.com/in/jgsousa)**



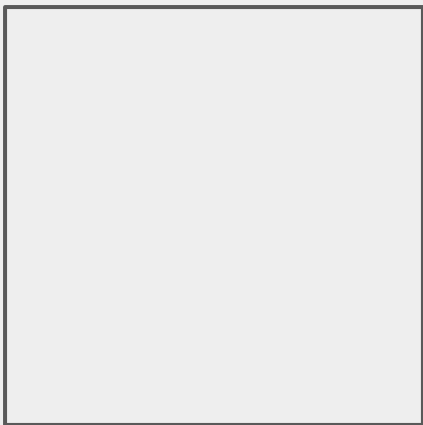
**ALGOS**

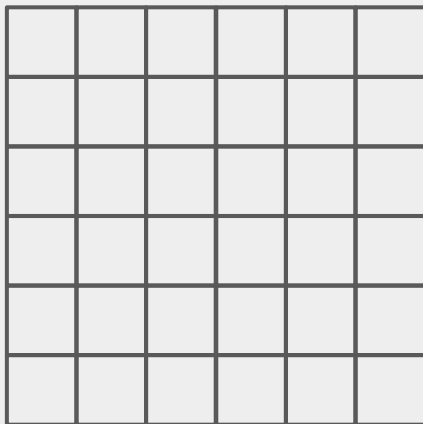
**DOMAIN**

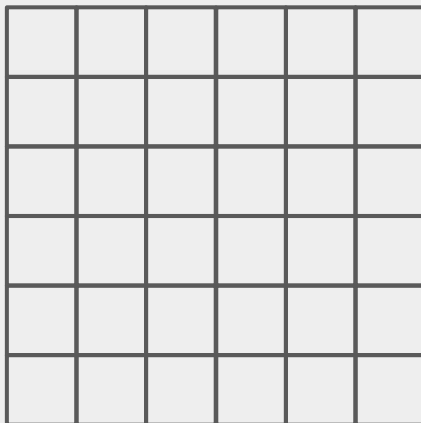


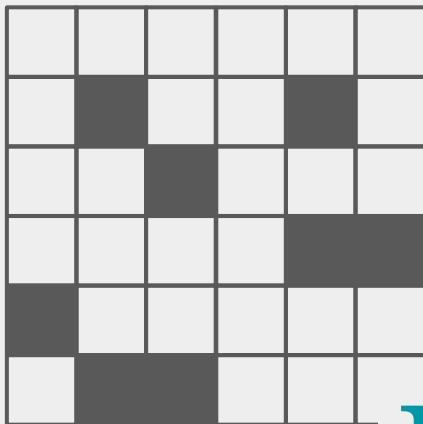
**DATA**

**EXPER.**



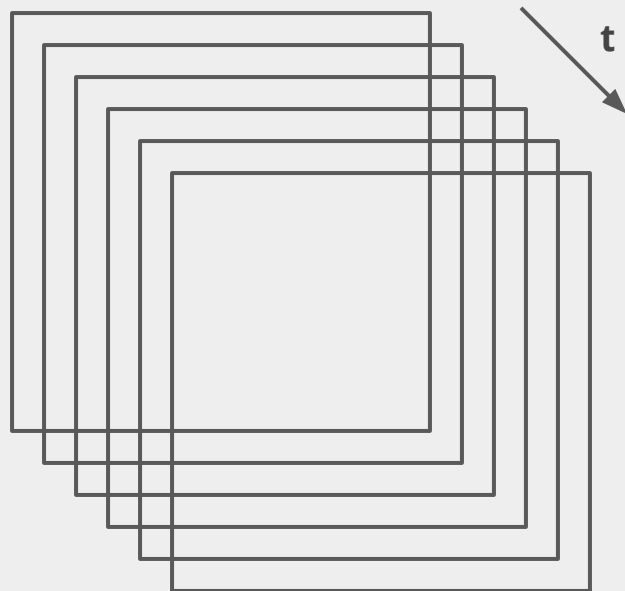


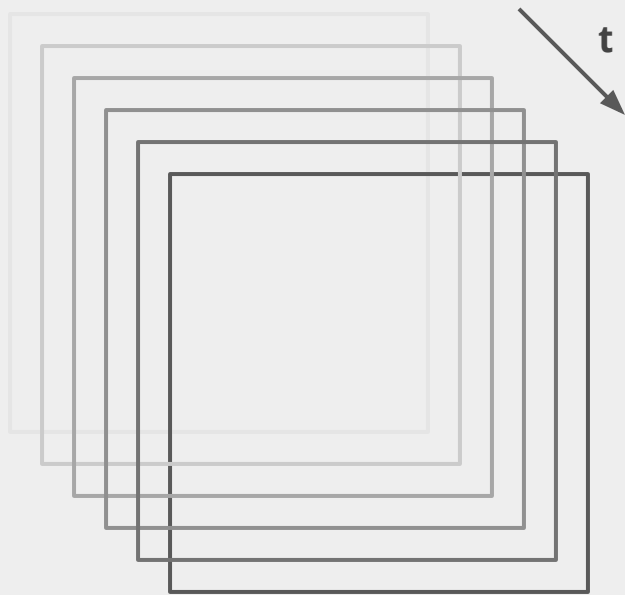




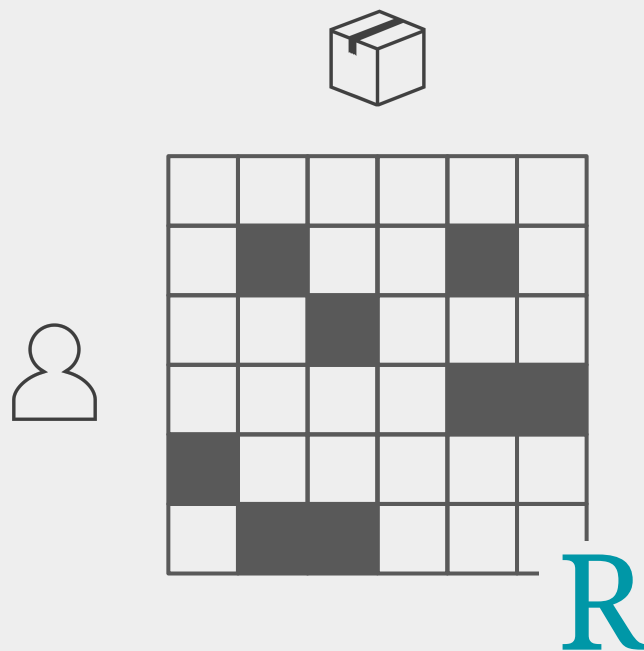
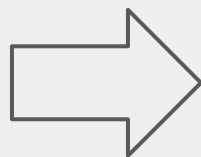
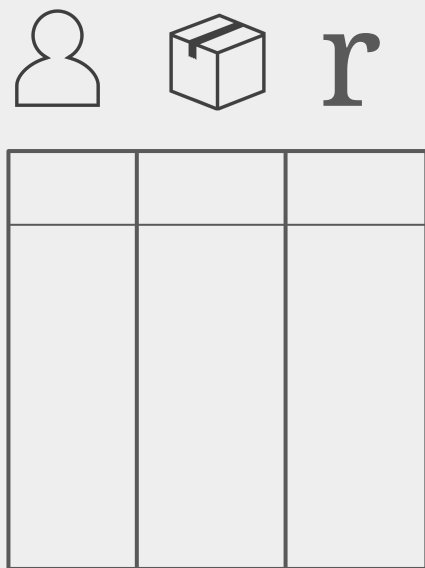
R







$$r_{u,i} = \max_t e^{-\lambda(t_0 - t)}$$



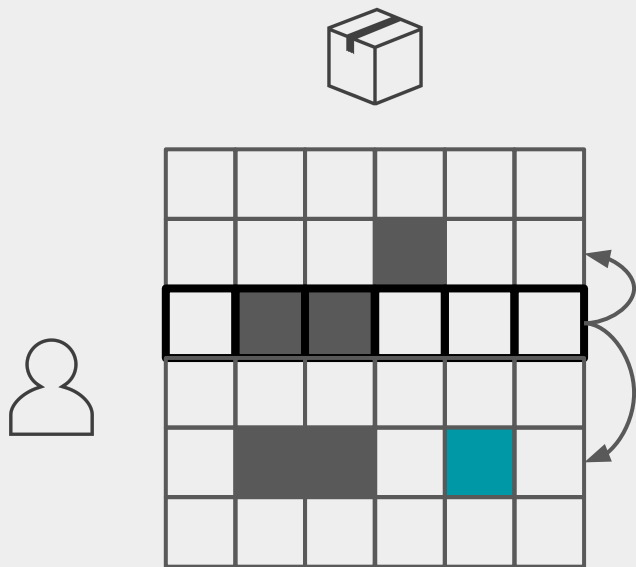
**COLLAB.**

**CONTENT**

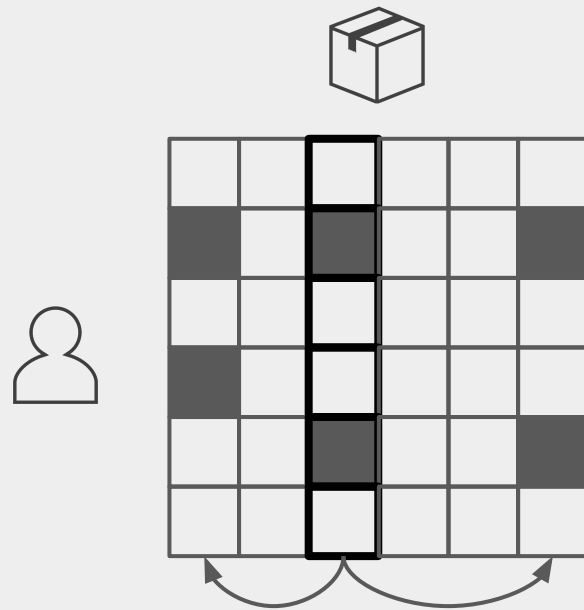


**CONTEXT**

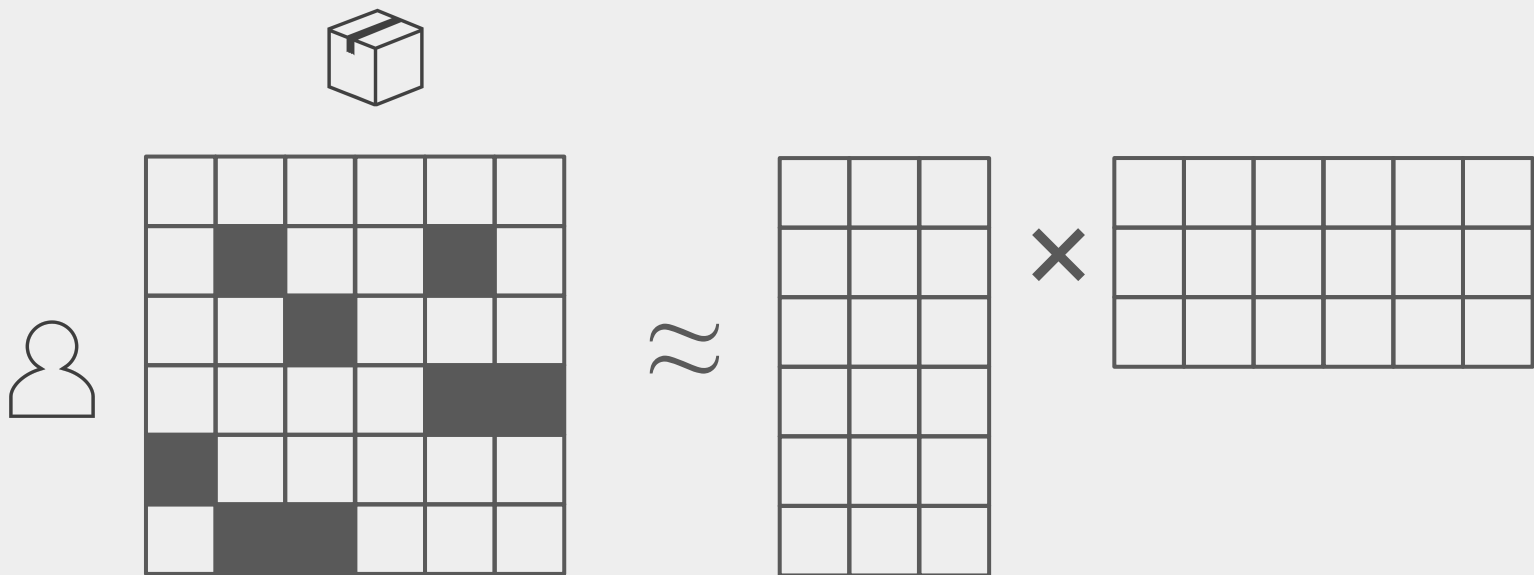
**POPULAR.**



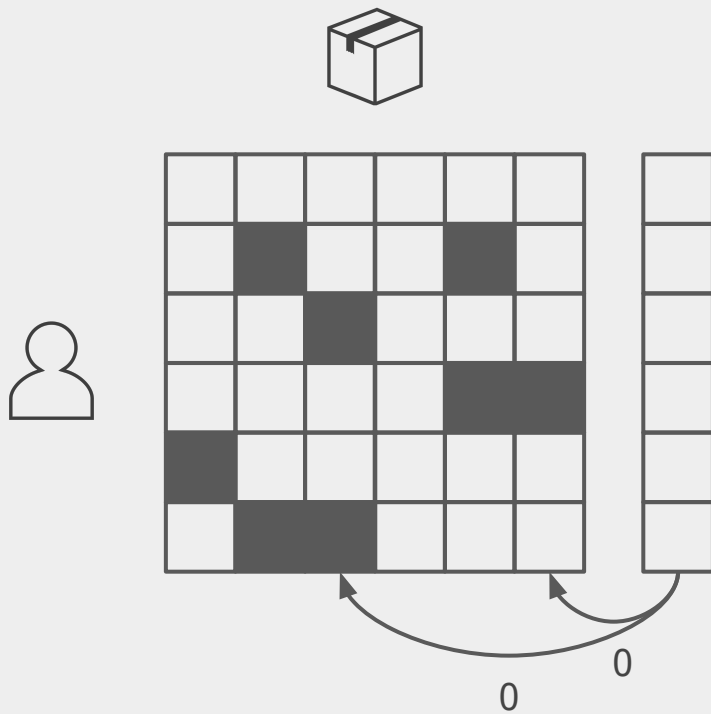
Recommend based on similar users

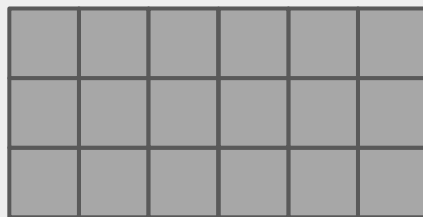
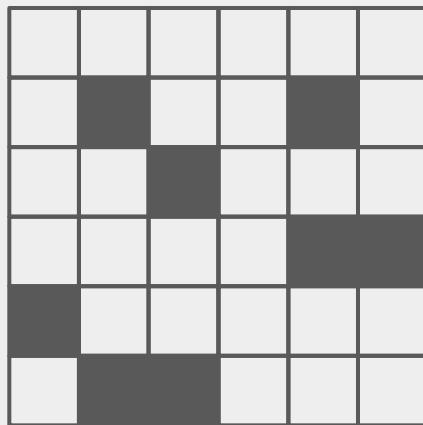


Recommend based on related items



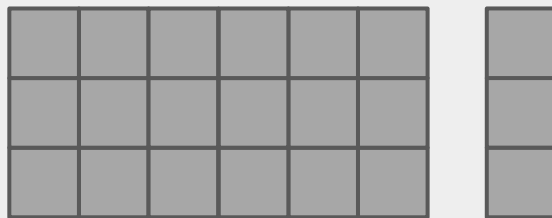
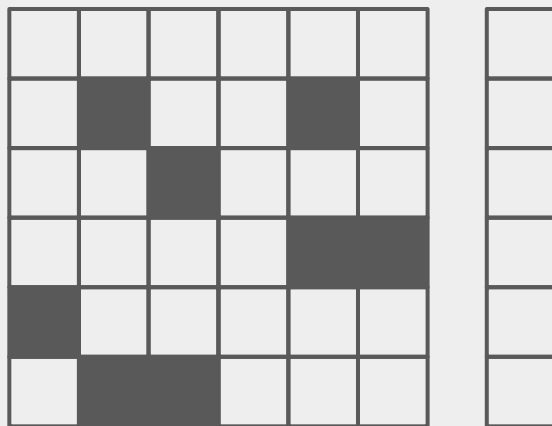
Matrix Factorization with ALS

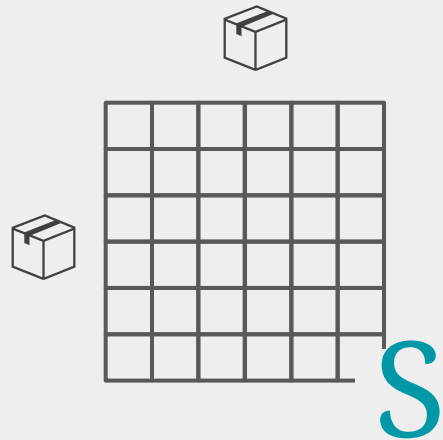
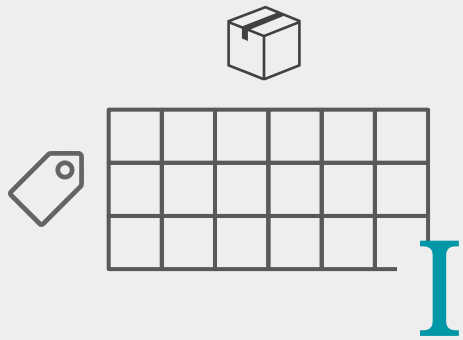
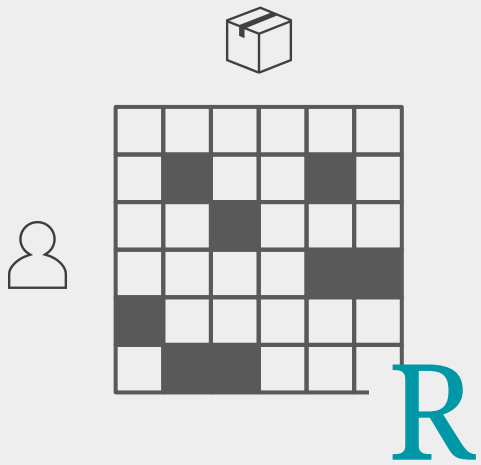


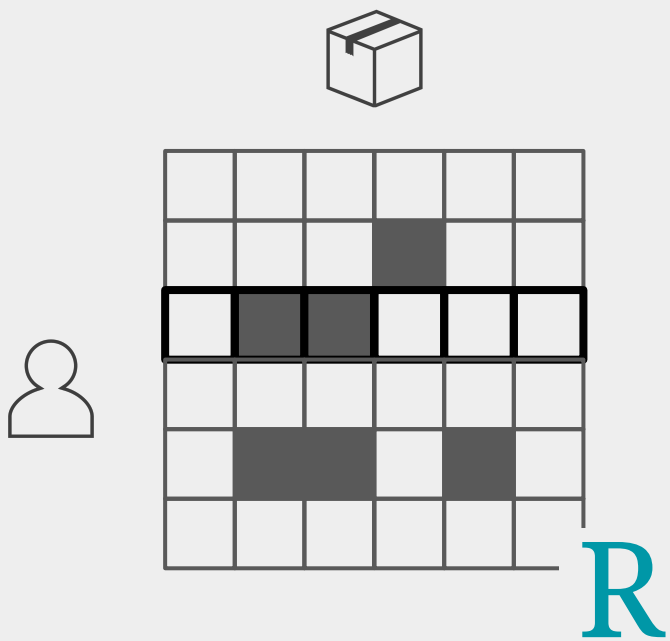


I

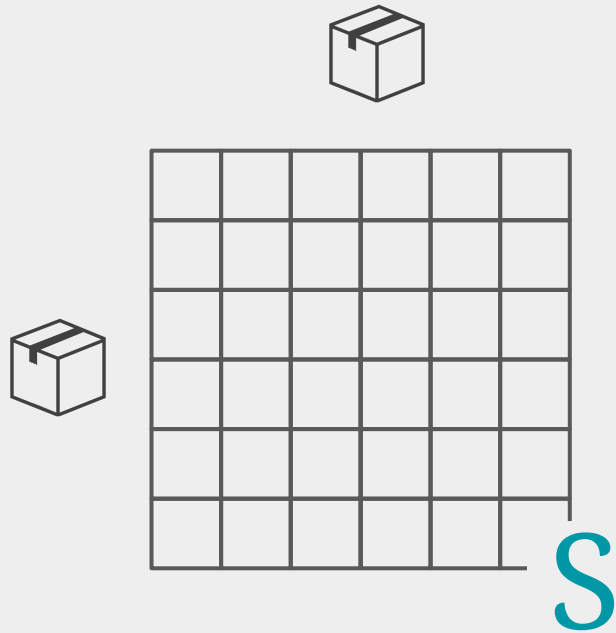








$\times$



[github.com/jotinha/diy-rex](https://github.com/jotinha/diy-rex)

 Thank you!

DSPT Aveiro Sep-2019