

Laborator 12

Documentati-va despre algoritmi de recomandare (collaborative recommendations) si, folosind un set de date de la [GroupLens](https://grouplens.org/datasets/) (<https://grouplens.org/datasets/>) - exceptand MovieLens - efectuati recomandari de obiecte (carti etc.) pentru un utilizator in functie de: scorurile (rating-urile) date de utilizator si scorurile date de alti utilizatori.

Testati cel putin 2 algoritmi si comparati rezultatele obtinute.

Bibliografie selectiva:

1. [Collaborative Filtering: A Tutorial](https://www.cs.cmu.edu/~wcohen/collab-filtering-tutorial.ppt) (<https://www.cs.cmu.edu/~wcohen/collab-filtering-tutorial.ppt>)
2. Capitolul 2 "Making recommendations" din "Programming Collective Intelligence", Toby Segaran, O'Reilly Press, 2007
3. [Collaborative Filtering](http://www.math.univ-toulouse.fr/~besse/Wikistat/pdf/st-m-datSc3-colFil.pdf) (<http://www.math.univ-toulouse.fr/~besse/Wikistat/pdf/st-m-datSc3-colFil.pdf>)
4. [Recommendation Using Matrix Factorization](https://medium.com/@paritosh_30025/recommendation-using-matrix-factorization-5223a8ee1f4) (https://medium.com/@paritosh_30025/recommendation-using-matrix-factorization-5223a8ee1f4)

Predarea temei se va face in ultimul laborator din semestru.

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