Given 3 users with ratings...

U1: 1 3

U2: 2 4

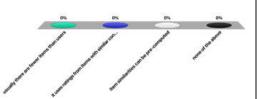
U3: 1 4

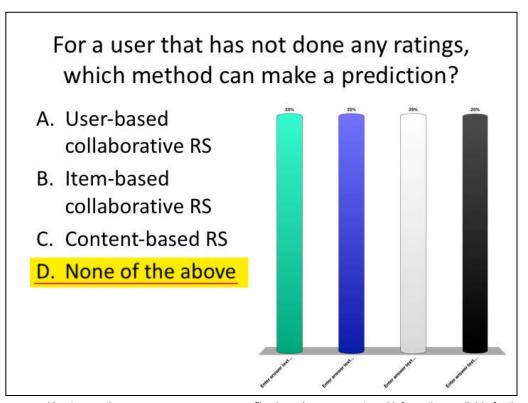
- A. $Sim_{corr}(u1,u2) > Sim_{corr}(u1,u3)$
- B. $Sim_{corr}(u1,u2) = Sim_{corr}(u1,u3)$
- C. Sim_{corr}(u1,u2)< Sim_{corr}(u1,u3) =

- we take the relative behaviour w.r.t. the mean

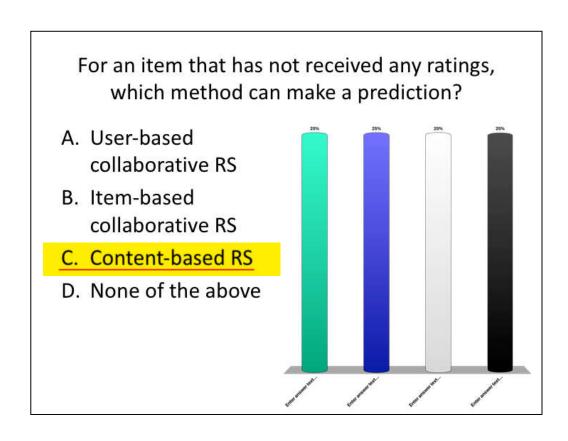
Item-based collaborative filtering addresses better the cold-start problem because ...

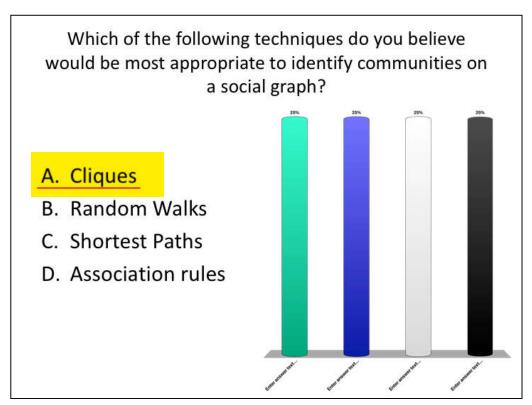
- A. usually there are fewer items than users
- B. it uses ratings from items with similar content
- C. item similarities can be pre-computed
- D. none of the above



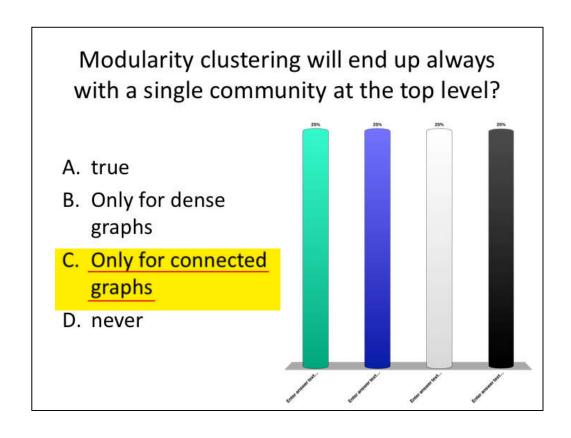


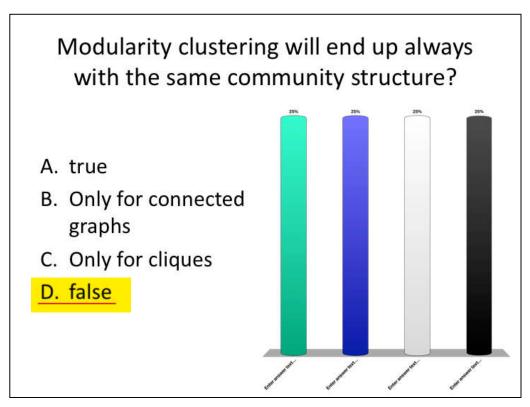
⁻ even without any ratings, we can compare user profiles based on some external information available for them



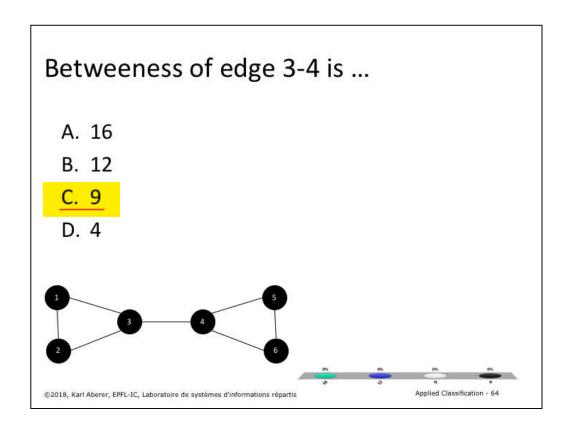


^{*} clique = subset of vertices of an undirected graph such that every two distinct vertices in the clique are adjacent; that is, its induced subgraph is complete.



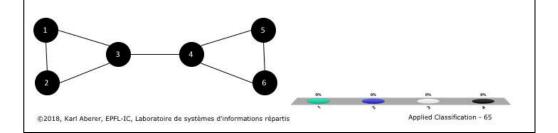


- the order of the processing of the nodes might result in different communities
- there might be ties, so a node can choose to be in any of the multiple possible communities
- for cliques it will always produce the same result, maybe for some other structures as well, but in general it is not a stable clustering technique



When computing path counts for node 1 with BFS, the count at 6 is ...

- A. 1
- B. 2
- C. 3
- D. 4



The dimensionality of the feature space depends on the vocabulary size ...

- A. for none
- B. for kNN
- C. for kNN and NB
- D. for kNN, NB and fasttext



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