

Assignment 3: Query-Centric PageRank

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Task 1: Rank the authors in scholarly database

Top 10 Authors

Author ID	Page Rank Score
5284	0.006651586297928049
875	0.005802106838508366
595	0.005577902613713113
654	0.004880128906345333
16297	0.00452254520471739
764	0.004144301195805204
15668	0.003944498136324328
588	0.003776399062934933
34659	0.0037434046036966782
5591	0.003709706255158051

Task 2: Rank the authors given a query

Top 10 Authors for query "Data Mining"

Author ID	Page Rank Score
16297	0.03488996261844768
69331	0.023357322638457193
2430	0.023069230290495655
4836	0.020532518218965977
23255	0.015473819465054415
2340	0.014894654420788186
31637	0.014157255888265
16317	0.01188095719598017
3695	0.01036225351396399
16265	0.009886072581502597

Top 10 Authors for query "Information Retrieval"

Author ID	Page Rank Score
16297	0.027344701609635053
2430	0.024820230630027074
3695	0.023789857794845406
69331	0.014214487899323886
3673	0.013415355453304634
31637	0.012972102067353967
23255	0.011677681225087602
2427	0.011668382096960053
19294	0.010524683872262073
4151	0.009586822818212857

References:

http://www.datalab.uci.edu/papers/JUNG_tech_report.html#gve

<https://stackoverflow.com/questions/8119366/sorting-hashmap-by-values>