

NDCG@46

1.2
1.0
0.8
0.6
0.4
0.2

0.20 **0.18** **0.18** **0.18** **0.18** **0.18** **0.19** **0.19** **0.19** **0.19** **0.19** **0.19** **0.19** **0.19** **0.19** **0.19** **0.19** **0.19** **0.19** **0.18** **0.19** **0.18** **0.18** **0.18** **0.18** **0.18** **0.19** **0.18** **0.18** **0.18** **0.18** **0.18** **0.19** **0.19**

Initial DCS GT 1 2 3 4 GAPI 1 2 3 4 BTN 1 2 3 4 NMS 1 2 3 4 IMP-P 1 2 3 4 IMP-A 1 2 3 4 CoT 1 2 3 4

Alternate Fair Ranking Methods as defined in Section IV