Single Cluster Performance: (Metrics @K) | Cumulative Performance across all Cluster Pairs 0.90 Heterogeneous User Heterogeneous User Homogeneous User Homogeneous User 0.7 0.85 0.6 0.80 0.5 Precision 0.70 F1-Score .0 0.3 0.65 0.2 0.60 0.1 0.55 0.0 40 20 20 60 80 40 60 80 0 0 N Articles Recommended N Articles Recommended 0.7 Heterogeneous User Homogeneous User 0.6 0.5 0.4 Recall 0.3 0.2 0.1 0.0 20 80 40 60

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