

Recommender Systems Accounting for Organizational Context

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Abstract

Incorporating organizational context in work-related recommender systems is critical because modern work is often done in teams sitting within organizations. Such organizational contexts could include the role of the person whom the recommendations are targeted for and the impact that recommenders could have on organizations beyond individuals. For example, focus time suggestions for salesperson can be distinct from those for software engineers because of the differences in job function and work rhythm, and recommending documents for managers needs to consider who their direct reports are and what their teams are responsible for. At the same time, the impact of recommenders for work almost certainly goes beyond individuals, e.g., smart calendaring tools could affect an organization's connectiveness, which could in turn impact worker retention and firm performance. These organizational contexts provide exciting research challenges and opportunities for the Recsys community.

Bio

Dr. Longqi Yang a Strategic Applied Research Manager at Microsoft's Office of Applied Research, where he leads strategic AI research for organizations' digital transformation. His research spans across Recommender Systems, Organizational Networks, and Computational Social Science, particularly their applications to enterprise and future of work. His work received paper awards from top research venues (e.g., CHI, KDD) and was frequently covered by major news outlets (e.g., Forbes, Washington Post, BBC, The Atlantic, Bloomberg, Business Insider, Inc., etc.). Longqi received his Ph.D. in Computer Science from Cornell University.