
Alan Said  
alansaid@acm.org  
University of Gothenburg  
Sweden

Eva Zangerle  
eva.zangerle@uibk.ac.at  
Universität Innsbruck  
Austria

Christine Bauer  
christine.bauer@plus.ac.at  
Paris Lodron University Salzburg  
Austria

ABSTRACT
Evaluation is important when developing and deploying recommender systems. The PERSPECTIVES workshop sheds light on the different, potentially diverging or contradictory perspectives on the evaluation of recommender systems. Building on the discussions and outcomes of the PERSPECTIVES workshops held at RecSys 2021 and 2022, the third edition of the PERSPECTIVES workshop held at RecSys 2023 brought together researchers and practitioners from academia and industry to reflect on the evaluation of recommender systems critically. The workshop featured a keynote and focused on the interactive part with discussions in small groups and the plenum. We discussed problems and lessons learned, encouraged the exchange of the many perspectives on evaluation, and aimed to move the discourse forward within the community.

CCS CONCEPTS
• Information systems → Personalization; Recommender systems; Evaluation of retrieval results; • Human-centered computing → HCI design and evaluation methods.

KEYWORDS
evaluation, personalized systems, recommender systems, methods, information retrieval

ACM Reference Format:

1 INTRODUCTION
Evaluation is central in every phase in a recommender system’s lifecycle—in design and development and for continuous improvement while in operation. Thereby, the evaluation may assess the core performance of a system in its very sense or embrace the entire context in which the system is used [3, 5, 7, 9, 11]. Thereby, the evaluation of recommender systems may target a wide spectrum of different aspects that have to be considered and evaluated, which was the starting point for the PERSPECTIVES workshop series. While the initial two editions of the workshop (held at RecSys 2021 and 2022, respectively) were well-attended and raised interesting questions, the discourse on evaluation continues.

The goal of the PERSPECTIVES workshop series is to capture the current state of evaluation and discuss the different targets that recommender systems evaluation should strive for. Building on the previous PERSPECTIVES workshops, this third edition addressed the question: Where should we go from here as a community? and aims to come up with concrete steps for action. Our particular concern is to give a voice to the various perspectives involved. A critical interest of this workshop is integrating the perspectives from both academia and industry. A unique difference between PERSPECTIVES and other workshops is the focus on interaction, discussions, and group work. While the workshop accepts papers and published those in proceedings, the papers are not presented at the workshop so that we can focus on the interactive part. This way, we also specifically focus on guiding junior community members and further an (interdisciplinary) multi-method approach to evaluation.

From the discussions in the first PERSPECTIVES workshop held at RecSys 2021, it became clear that despite all the ongoing efforts in the field of evaluating recommender systems, there are still numerous open issues that we need to tackle in the recommender systems research and industry community [14, 15]. In the second edition of the PERSPECTIVES workshop held at RecSys 2023, we continued the discussions to bring consensus and consolidation into an increasingly active field of recommender systems research. The discussions in the second PERSPECTIVES workshop substantiated that we need to take and embrace a wide(r) scope of perspectives, covering the full spectrum of factors relevant when assessing the quality of recommender systems. These include, amongst other factors: evaluation methods and experimental designs [4], impact and purposes [6, 8], levels of maturity of the system employed, the context of the recommender system (industry or academia), stakeholders [1, 2] or fairness considerations [10].

2 TOPICS OF INTEREST AND MATERIAL
The workshop solicited papers addressing the following topics:

• Case studies of difficult, hard-to-evaluate scenarios
• Evaluations with contradicting results
• Showcasing (structural) problems in recommender systems evaluation
• Integration of offline and online experiments
• Multi-stakeholder evaluation
• Divergence between evaluation goals and what is actually captured by the evaluation
• Nontrivial and unexpected experiences from practitioners
Before and during the workshop, we collected pressing issues related to the evaluation of recommender systems from participants that should be addressed during the workshop. Hence, the topics discussed during the workshop extended beyond the list of topics above. In addition, we deliberately solicited papers reporting problems and (negative) experiences and results regarding recommender systems evaluation, as we consider reflections on unsuccessful, inadequate, or insufficient evaluations as a fruitful source to provide yet another perspective on recommender systems evaluation that can spark discussion. This also includes papers reporting negative study results (which complements, rather than duplicates, the topics of the main conference track). Accordingly, submissions could also address the following themes: (a) “lessons learned” from the successful application of recommender systems evaluation or from “post mortem” analyses describing specific evaluation strategies that failed to uncover decisive elements, (b) “overview papers” analyzing patterns of challenges or obstacles to evaluation, and (c) “solution papers” presenting solutions for specific evaluation scenarios. Additionally, (d) “visionary papers” discussing the potential novel and future evaluation aspects have been considered.

The workshop materials are available on the workshop website at https://perspectives-ws.github.io/. Similar to the 2021 edition [12] and the 2022 edition [13] of the PERSPECTIVES workshop, accepted papers are published as open-access workshop proceedings via ceur-ws.org. Supplemental material (e.g., presentation slides or videos) are available on the workshop website (on authors’ approval). Furthermore, we also aim to submit a workshop report to SIGIR Forum (cf. [14] for the report on PERSPECTIVES 2021 and [15] on PERSPECTIVES 2022).

ACKNOWLEDGMENTS

We would like to thank the authors, presenters, participants, and reviewers for their valuable contributions to the workshop. This research was funded in whole, or in part, by the Austrian Science Fund (FWF): P33526.

REFERENCES


