

Response to Reviewer's Comments

We sincerely thank the editor and reviewer for reviewing our manuscript again and for the valuable comments. In this document, we respond to each of the comments given by the reviewer.

Reviewer 1:

- **For instance, Kotkov et al. (2016) defined serendipity as “a property that indicates how good a recommender system is at suggesting serendipitous items that are relevant and unexpected for a particular user.” - the direct quotation does not correspond to the original text of the cited article.**

We corrected the text (lines 94-95).

- **The authors should provide arguments for choosing this particular definition of serendipity. There is a study that provides the effects of different definitions of serendipity on users: Kotkov D. et al. Investigating serendipity in recommender systems based on real user feedback //Proceedings of the 33rd Annual ACM Symposium on Applied Computing. – ACM, 2018. – C. 1341-1350.**

We discuss the different definitions of serendipity in the related works section (lines 104-122). In addition, we explain to which definition of the serendipity this study corresponds. We choose the definition of serendipity of "unexpected to be found" and "unexpected to be recommended" as this is most relevant in our library context, where we recommend scientific papers to researchers (cf. Vagliano et al, 2018)

Furthermore, we discuss the different definitions of serendipity and their relation to this study in the paragraph “Threats to Validity” in the discussion section (lines 425-430).

Other correction:

- We corrected the affiliations of the 1st and 2nd authors in the manuscript (lines 5-6) as pointed by Editorial Support of PeerJ Computer Science.

The affiliation of the author 1: Kyoto University Library -> Kyoto University

The affiliation of the author 2: Kiel University -> Christian-Albrechts-Universität Kiel

Kind regards,

Chifumi Nishioka (on behalf of all authors)

References

(Vagliano et al., 2018) Iacopo Vagliano, Franziska Günther, Matthias Heinz, Aitor Apaolaza, Irina

Bienia, Gert Breitfuss, Till Blume, Chrysa Collyda, Angela Fessler, Sebastian Gottfried, Peter Hasitschka, Jasmin Kellermann, Thomas Köhler, Annalouise Maas, Vasileios Mezaris, Ahmed Saleh, Andrzej M. J. Skulimowski, Stefan Thalmann, Markel Vigo, Alfred Wertner, Michael Wiese, Ansgar Scherp: Open Innovation in the Big Data Era with the MOVING Platform. IEEE MultiMedia 25(3): 8-21 (2018)