

Editor,
PeerJ CS

21 Jan 2021

Thank you for your encouraging comments. We have revised language of the manuscript. Abstract and introduction have been restructured to conform to the comments. Also, GitHub readme has been updated.

Please see point-wise response below.

Thanks,

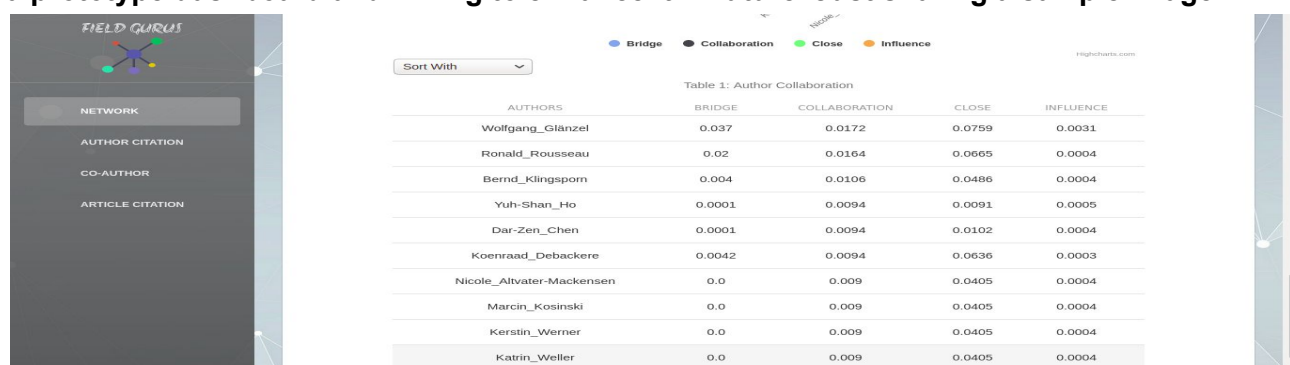
Bilal, Rafi and Sabih

Thanks again for your revision. I think that the current form of the article is fine for being accepted for publication in PeerJ Computer Science, pending a few additional suggestions that can be addressed directly on the camera-ready version of the paper – and that I will personally check before publishing the article.

1. In the new part of the introduction, you refer to a "common researcher". However, it is not clear at all to what that "common" actually refers to, in particular in comparison to what? What is an "uncommon researcher" then? I think it is important to clarify explicitly what kind of users you are going to help with the implementation of the workflow you are proposing. Is your work of any help to researchers (in what? Scientometrics?) with no expertise in programming? Or, does it address issues that researchers with expertise in programming but no expertise in Scientometrics may have in retrieving and analysing these data? Or, again, is that done for helping data scientists? etc. Thus, you need to clarify in the introduction which specific users (i.e. kinds of researchers) are you going to help with your computational workflow.

>> response: Our primary focus is to target bibliometricians, however, researchers looking to inspect their own field may utilize the workflow as well. A basic understanding of programming is required.

Having said that, this workflow may be utilized by a front-end developer to create a graphical tool. Therefore, we do not want to explicitly mention a user base. We developed a prototype dashboard and willing to enhance it in future. Just sharing a sample image.



2. When you refer to open source software, such as NetworkX and SNAP, please mention it as it is. In particular, "open access" should not be used with software, "open source" should.

>> response: Correction done.

3. The license specified in the release on GitHub

(<https://github.com/bilal-dsu/Guru-workflow/tree/v1.0>) is CC0, which does not apply to software applications. Please, choose an appropriate license to use for releasing the software - e.g. see the list at <https://opensource.org/licenses>.

>> response: Updated to MIT License.

4. In the GitHub readme, there should be explicitly stated how to call every single Python script developed, since some of them actually take in input parameters, and they are not defined in the text. Suppose to be one of your users. By reading the text it is clear what each script does, but it is not clear how to run it properly.

>> response: A separate batch file is provided. Details have also been added on readme.

5. You say that your focus is "to have a systematic workflow to identify prominent authors (gurus) using publicly available metadata for citations". However, as far as I understood, the point is slightly different. Indeed, the workflow you devised is for collecting data and calculating metrics that then ****can be used**** to identify gurus, but the identification of gurus is not the focus of the present work. Thus, please avoid stressing too much on this aspect. This is also reflected by the fact you are presenting a case study to show one possible use of the workflow and not full comparative research on gurus identification. Please, relax a bit your claim about what this article is about.

>> response: Along with restructuring abstract and introduction, we have also modified the title to reflect this understanding.

6. In your answers to reviewers, you say that "Research Question is merged with the introduction section". However, I cannot see any research question stated there. Actually, it seems that you have totally removed it from the article. While this can be fine, after looking at your answer I expected to find it in the introduction of the revision. Is the current form (i.e. no research questions) correct, or did you miss to add it in the introduction?

>> response: Current form is correct.

7. In the conclusion you state that "for case study, some manual work was also done to sort and format the results, however, it can also be scripted in future as it does not hamper the workflow and can be performed as a standalone". I thought that the workflow was complete, and thus it could retrieve all the data you need to perform the case study. But here you say that "manual work" (outside of the workflow, I presume) was needed to address the case study. I think you should clarify this passage, otherwise, it seems that, in the end, the case study is not reproducible despite the workflow you implemented.

>> response: Manual work incorporated was to enter the ranks in Table 2. Workflow retrieves the complete data.

8. I would suggest revising the sentence in the abstract, i.e. "Any study on co-authorship may not need all the citation links, however, for a holistic view citation links may also be needed", in a way which is more compliant with the reviewer's comment in the previous round of reviews. In particular, it may be stated that while studies on co-authorship do not need, usually, information about the citation network, having citation links would enable a more complete and holistic view of the possible relations among authors.

>> response: We have placed the suggested sentence in the introduction and have also made a relevant citation to it.

9. Please, check again the English of the whole article, since there are several typos, mistakes and long and ambiguous sentences that should be rewritten to drastically improve the readability of the text.

>> response: Text has been rewritten.

10. Typos:

- libraries of Python --> Python libraries
- line 91: the citation should be to (Heibi et al., 2019), not to (Peroni and Shotton, 2020)
- It seems that the DOI of the Guru script is not correct
- References: please, check the consistency of all the references, and add DOI URLs when possible

>> response: Incorporated.