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To the Editorial Board of JoVE,

We sincerely thank you and the reviewers for your support; your constructive comments have elevated the overall quality and impact of the manuscript. We have carefully addressed all comments from the editors and reviewers in an itemized fashion (see our responses to reviewer comments, 11 pages total). Specifically, we have created several new subsections in the 'Discussion'; revised our protocols and tables, created a GitHub repository for downloadable codes, and added ten new references. We hope our responses have clarified all elements and satisfied the reviewers' comments. Please see a summary of our response in the list below:

- In response to Reviewer #1:
 - JoVE being a method journal, we clarified that our focus in this manuscript is to provide methods to establish a cloud computing platform for the phrase mining and analyses.
- In response to Reviewer #2:
 - We created a GitHub repository and placed all download program codes and command files as suggested by the reviewer. We also provided all required steps to implement our algorithm in their cloud-based platform.
 - We provided the 'general applicability', 'comparison with other algorithms', 'limitation of the algorithm' and 'future application' with references in the 'Discussion' section.
 - We revised the sample result and presented with statistical error and confidence interval.
 - We provided an interface in 'config' repository for the user to control the process.
 - For debugging, log messages are printed out in the log files under the 'log' directory. We provided the required steps in the protocol for debugging.
- In response to Reviewer #3:
 - We fixed the broken data file.
 - We provided a section in 'Discussion' about the future scope of our algorithm.
- In response to Reviewer #4:

- We clarified user-defined entity-category selection. Our protocol now includes all required instructions to prepare user-defined entities and categories.
- Detail about CaseOLAP score calculation has been provided as the response to the comment. Accordingly, we revised our 'Introduction' section.
- We added a new section in the 'Discussion' section to address the comparison of our algorithm with other similar algorithms in Text Mining with references.

We are deeply grateful for this opportunity to revise our manuscript according to the standards of *JoVE* and contribute on methods to a cloud computing platform for biomedical communities. We hope the manuscript is now ready for publication.

Sincerely yours,

A handwritten signature in blue ink, appearing to be 'PP' or 'Ping', written in a cursive style.

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