

View Meta-Reviews

Paper ID

3363

Paper Title

Representation Learning of Compositional Data

META-REVIEWER #1

META-REVIEW QUESTIONS

1. Please recommend a decision for this submission.

Accept (Poster)

2. Please provide a meta-review for this submission. Your meta-review should explain your decision to the authors. Your comments should augment the reviews, and explain how the reviews, author response, and discussion were used to arrive at your decision. Dismissing or ignoring a review is not acceptable unless you have a good reason for doing so. If you want to make a decision that is not clearly supported by the reviews, perhaps because the reviewers did not come to a consensus, please justify your decision appropriately, including, but not limited to, reading the submission in depth and writing a detailed meta-review that explains your decision.

The paper presents new methods to perform PCA on the simplex (so-called "compositional data"), and provide some interesting connections with some divergence. The applications however do not clearly demonstrate the benefits of the proposed approach, in particular it is not clear whether the high-dimensional setting of micro biome data that motivates the paper really benefits from seeing the data as compositional data. But overall, this paper may is an interesting contribution to the field of compositional data analysis and may trigger interesting discussions.
