

Review of: "Correlation and Autocorrelation of Data on Complex Networks"

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Potential competing interests: No potential competing interests to declare.

This paper presents relevant research. The article explores how summary statistics used to analyze spatial data can be applied to non-spatial networks for exploratory data analysis. Below is an assessment of the article:

1. The abstract needs to be written again. A good summary briefly describes the work to arouse the reader's interest in the rest of the article. Therefore, it must clearly and objectively contain the object of study, objective, methodology, and results/conclusion.
2. The introduction must provide the context of the topic clearly. The author may provide several references to place the work in the state of the art in the area. The motivations for this study need to be made more explicit, and present research would be more apparent if the author provided a more direct link between the importance of choosing specific study methods. I suggest that the authors build a comparative table with the works found in the literature.
3. The article has problems in writing, so the authors should review and rewrite some parts of the text. There are several examples in the text, such as the lack of adequate punctuation and inappropriate use of English articles; I suggest doing a detailed review of the English.
4. **Clarity of Purpose:** Clarifying the main research goals would help readers better understand the focus of the study from the outset.
5. **Organization of the article:** The sections of the articles could be better organized, and the concepts used and methodology could be more precise. Construct a figure to clarify the methodology used in the work. The authors should use the following structure: Introduction, Literature Review, Concepts and Definitions, Methodology, Results and Conclusions.
6. **Figures:** The figures need a standard size; they have excessive colours, which visually pollutes the work and makes interpretation difficult.
7. **Results and Discussion:** The results could be better presented, and the discussion needs to present more information for the reader to conclude the importance of the study.