

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

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Potential competing interests: No potential competing interests to declare.

The paper is interesting and easily readable. However, I'd like to point out some issues in order to develop the manuscript before acceptance.

1. The title is kind of excessively broad. Maybe it'd be better to call it "node-attributed networks" or even "labelled networks" instead of "complex networks."
2. A formal definition of a node-attributed network is missed throughout the paper. It'd be fine to give such a formal definition as a triple $N=(V,E,W)$, where V is a set of vertices (or nodes), E are edges, &c., in paragraph "2.1. Definition."
3. Equations (3) and (4) are not complete unless you read [35]. I suggest the authors expand the text in order for the manuscript to be self-contained at that point.
4. Please cite or refer to the "karate club network" on page 9.
5. I don't understand the comment on equation (7).
6. Please improve the quality of graphics all along the paper.
7. What is a high-high outlier? What is a low-high outlier? And a low-low one? Please, define, cite, or refer.