

Template for preparing your research report submission to PNAS using Overleaf

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This manuscript was compiled on May 11, 2020

- 1 **Please provide an abstract of no more than 250 words in a single**
- 2 **paragraph. Abstracts should explain to the general reader the major**
- 3 **contributions of the article. References in the abstract must be cited**
- 4 **in full within the abstract itself and cited in the text.**

Community | robustness | node centrality | ...

This PNAS journal template is provided to help you write your work in the correct journal format. Instructions for use are provided below.

Note: please start your introduction without including the word “Introduction” as a section heading (except for math articles in the Physical Sciences section); this heading is implied in the first paragraphs.

Related work

Node centrality: - bridgeness - betweenness - pagerank - community centrality (?) - shapley values centrality (?), (?)

Community robustness: - conductance (?) - pairwise similarity (?) - variation of information in perturbed networks (?)

Benchmark networks: - Girvan-Newman (?) - Lancichinetti (LFR) (?) - Affiliation graph model (?)

Methods

- find communities in network (if we don't know them) - rank nodes with respect to a selected measure - remove best nodes - compare new communities with previous

Results

Discussion

Conclusion