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Empirical comparison of network sampling: How to choose the most appropriate method?

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## **ACCEPTED MANUSCRIPT**

Sampling techniques are compared based on the match of properties between networks.

We apply subgraph induction step to random walk and forest-fire sampling. Induction improves the performance in preserving degree and clustering distribution.

Techniques with induction create denser networks with larger average degree.

We introduce the scheme for selection of the most appropriate sampling technique.

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