

multigraph

<https://CRAN.R-project.org/package=multigraph>

<https://CRAN.R-project.org/package=netrply>

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Shafie, T. (2016). Analyzing local and global properties of multigraphs. *The Journal of Mathematical Sociology*, 40(4), 239-264.

Frank, O., & Shafie, T. (2016). Multivariate Entropy Analysis of Network Data. *Bulletin of Sociological Methodology/Bulletin de Méthodologie Sociologique*, 129(1), 45-63

Frank, O. and Shafie, T. (2018). Random multigraphs and aggregated triads with fixed degrees. *Network Science*, 6(2), 232-250.

Shafie, T. and Schoch, D., (2021). Multiplexity analysis of networks using multigraph representations. *Statistical Methods & Applications*30, 1425–1444

Shafie, T. (2023). Goodness of fit tests for random multigraph models. *Journal of Applied Statistics*, 50(15), 3062–3087.

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Shafie, T. (2015). A multigraph approach to social network analysis. *Journal of Social Structure*, 16.

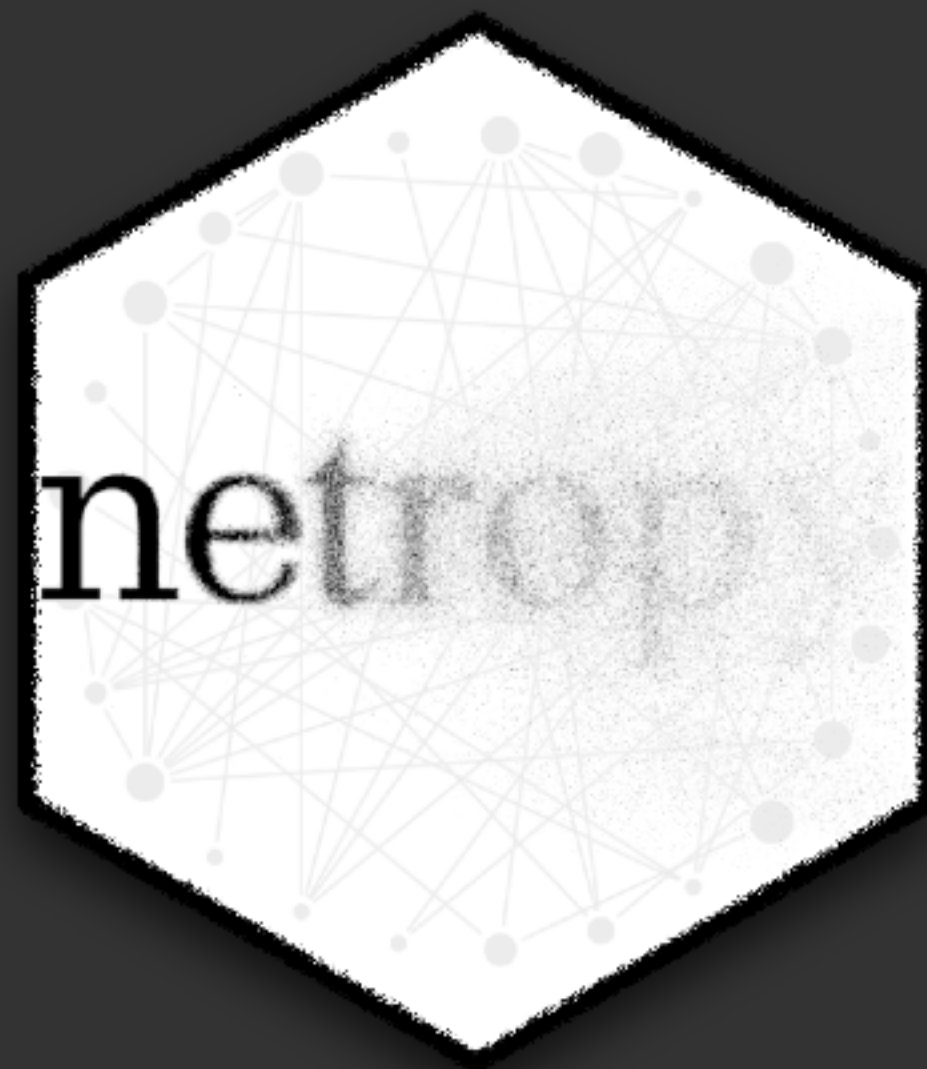
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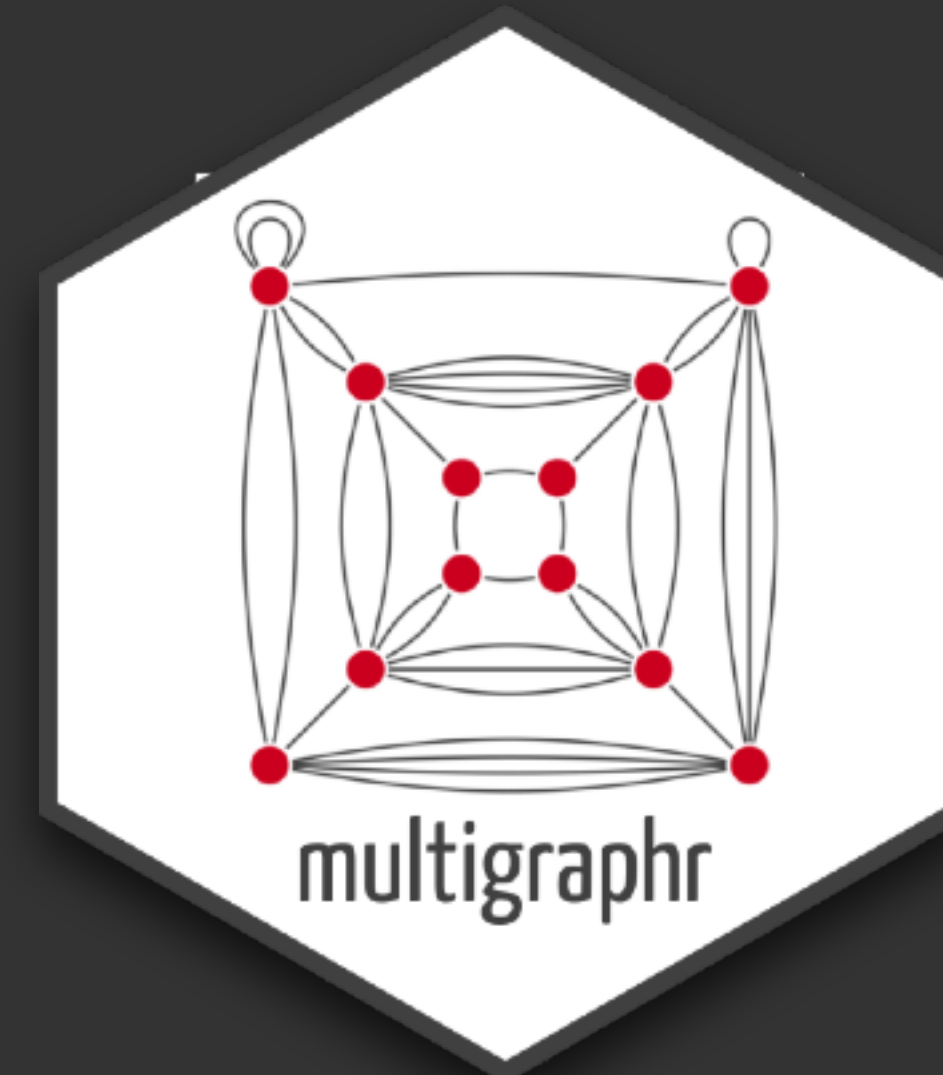
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<https://CRAN.R-project.org/package=netropy>



<https://CRAN.R-project.org/package=multigraphr>

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