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DISTANCE-BASED DIMENSIONALITY REDUCTION FOR BIG DATA

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Abstract

Example citation: [2].
Test

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[1] David Schoch. "graphlayouts: Layout algorithms for network visualizations in R". In: *Journal of Open Source Software* 8.84 (2023), p. 5238. DOI: 10.21105/joss.05238. URL: https://doi.org/10.21105/joss.05238.

[2] Kisung You and Dennis Shung. "Rdimtools: An R Package for Dimension Reduction and Intrinsic Dimension Estimation". In: *Software Impacts* 14 (2022), p. 100414. ISSN: 26659638. DOI: 10.1016/j.simpa.2022.100414.

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