

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 15, 2026

[spdep](#)

RRID:SCR_019294

Type: Tool

Proper Citation

spdep (RRID:SCR_019294)

Resource Information

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

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Description: Software R package as collection of functions to create spatial weights matrix objects from polygon contiguities, from point patterns by distance and tessellations, for summarizing these objects, and for permitting their use in spatial data analysis, including regional aggregation by minimum spanning tree.

Synonyms: Spatial Dependence: Weighting Schemes and Statistics, spatial dependence

Resource Type: data analysis software, data processing software, software application, software resource, software toolkit

Keywords: Spatial weights matrix objects, spatial dependence, weighting schemes, spatial weights, matrix objects

Availability: Free, Available for download, Freely available

Resource Name: spdep

Resource ID: SCR_019294

Alternate URLs: <https://github.com/r-spatial/spdep/>

License: GPL v3

Record Creation Time: 20220129T080344+0000

Record Last Update: 20260912T195912+0000

Ratings and Alerts

No rating or validation information has been found for spdep.

No alerts have been found for spdep.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Ma H, et al. (2025) Spatially Resolved Tumor Ecosystems and Cell States in Gastric Adenocarcinoma Progression and Evolution. Cancer discovery, 15(4), 767.

Bassiouni R, et al. (2023) Spatial Transcriptomic Analysis of a Diverse Patient Cohort Reveals a Conserved Architecture in Triple-Negative Breast Cancer. Cancer research, 83(1), 34.