

Package: ggsegIca (via r-universe)

May 26, 2026

Title ICA Atlas for the 'ggseg' Ecosystem

Version 2.0.1

Description Probabilistic independent component analysis (ICA) cortical atlas for the 'ggseg' ecosystem. Provides a unified 'ggseg_atlas' object with 2D polygon geometry for use with 'ggseg'.

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Encoding UTF-8

Depends R (>= 3.5)

Imports ggseg,formats

Suggests ggseg, ggseg3d, ggplot2, knitr, rmarkdown, testthat (>= 3.0.0), vdiff

URL <https://github.com/ggsegverse/ggsegIca>

BugReports <https://github.com/ggsegverse/ggsegIca/issues>

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.3

Config/testthat/edition 3

Config/pak/sysreqs libabsl-dev cmake libgdal-dev gdal-bin libgeos-dev libicu-dev libssl-dev libproj-dev libsqlite3-dev libudunits2-dev

Repository <https://ggsegverse.r-universe.dev>

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RemoteUrl <https://github.com/ggsegverse/ggsegIca>

RemoteRef HEAD

RemoteSha ffc29835d3d79bef4bfecb8d19ec8e71a5b309d1

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`ica`*ICA Probabilistic Cortical Parcellation*

Description

Brain atlas for the probabilistic independent component analysis (ICA) cortical parcellation with 163 regions. Contains 2D polygon geometry for `ggseg::geom_brain()`.

Usage

```
ica()
```

Value

A `ggseg.formats::ggseg_atlas` object (cortical).

References

Beckmann CF, Smith SM (2004). Probabilistic Independent Component Analysis for Functional Magnetic Resonance Imaging. *IEEE Transactions on Medical Imaging*, 23(2):137-152. doi:10.1109/TMI.2003.822821

Examples

```
ica()  
plot(ica())
```

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