

Package: ggsegDKT (via r-universe)

August 21, 2024

Title Desikan-Killiany-Tourville datasets for the ggseg-plotting tool

Version 1.0.1.001

Description This is a support package for the ggseg, and ggseg3d packages. It contains the DKT atlases to plot using functions from those two packages.

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Encoding UTF-8

LazyData true

Depends R (>= 2.10)

RoxygenNote 7.1.1

Suggests ggseg, ggseg3d, ggplot2, tidyr, knitr, rmarkdown, covr, testthat (>= 2.1.0), devtools

Remotes LCBC-UiO/ggseg, LCBC-UiO/ggseg3d

URL <https://github.com/LCBC-UiO/ggsegDKT>

BugReports <https://github.com/LCBC-UiO/ggsegDKT/issues>

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

RemoteUrl <https://github.com/ggseg/ggsegDKT>

RemoteRef HEAD

RemoteSha 8572e9121d3634180518418ddc7128b3fdae8348

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`dkt`*Desikan-Killiany-Tourville Cortical Atlas*

Description

Coordinate data for the Desikan-Killiany-Tourville Cortical atlas, with 31 regions in on the cortical surface of the brain.

Usage

```
data(dkt)
```

Format

```
ggseg brain-atlas
```

References

101 labeled brain images and a consistent human cortical labeling protocol. Arno Klein, Jason Tourville. *Frontiers in Brain Imaging Methods*. 6:171. DOI: 10.3389/fnins.2012.00171 ([PubMed](#))

Examples

```
data(dkt)
```

`dkt_3d`*Desikan-Killiany-Tourville Cortical Atlas*

Description

Coordinate data for the Desikan-Killiany-Tourville Cortical atlas, with 31 regions in on the cortical surface of the brain.

Usage

```
data(dkt_3d)
```

Format

A tibble with 4 observations and a nested data.frame

surf type of surface ('inflated' or 'white')

hemi hemisphere ('left' or 'right')

data data.frame of necessary variables for plotting

atlas String. atlas name

roi numbered region from surface
annot concatenated region name
label label 'hemi_annot' of the region
mesh list of meshes in two lists: vb and it
acronym abbreviated name of annot
lobe lobe localization
region name of region in full
colour HEX colour of region

References

101 labeled brain images and a consistent human cortical labeling protocol. Arno Klein, Jason Tourville. *Frontiers in Brain Imaging Methods*. 6:171. DOI: 10.3389/fnins.2012.00171 ([PubMed](#))

Examples

```
data(dkt_3d)
```

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