Package 'dogesr'

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Type Package

Title Work with the Doges/Dogaresse Dataset

Version 0.1.5

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Description Work with data on Venetian doges and dogaresse, and use it for social network analysis, as used in Merelo (2022) <arXiv:2209.07334>.

License GPL-3

Encoding UTF-8

LazyData true

Depends R (>= 3.5.0)

Suggests testthat (>= 3.0.0), devtools, tidyr, networkD3, tibble

Config/testthat/edition 3

Imports dplyr, ggplot2, knitr, qpdf, rmarkdown

VignetteBuilder knitr

NeedsCompilation no

Repository CRAN

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R topics documented:

`data.doges` *Load data into the environment*

Description

Load `data.doges` into the environment

Usage

```
data("doges")
```

Value

A dataframe with a row for every doge and doge marriage, and the columns

- `Doge` Full name of the doge.
- `Dogaressa` Full name of the dogaressa (wife of the doge).
- `Doge.raw` Full entry copied from the Wikipedia, original format; includes years of rule.
- `Dogaressa.raw` Full entry copied from the Wikipedia, original format. Years of marriage are include when known; in other cases, they are simply the same as the years of ruling.
- `Century`, `Start`, `End`, `Years` Century where the office of the doge took place, years it started and ended, and how many years it lasted, parsed from `Doge.raw`.
- `Family.doge`, `Family.dogaressa` Normalized names of the patrician family the doge and dogaressa belonged. The second is null if it was not a patrician family (usual in the first centuries).
- `Family.mother` The family name of the mother of the doge, extracted generally from the Wikipedia

Examples

```
library(dogesr)
data("doges")
# A summary of the duration of the doges ruling
summary(data.doges$Years)

# The families that actually "made doge"
unique(data.doges$Family.doge)

# Families that had either doge or dogaresse
unique( c(data.doges$Family.doge,data.doges$Family.dogaressa))
```

`doges.years` *Sub-dataset with years they were ruling.*

Description

Create a sub-dataset with doge data and reigning years.

Usage

```
doges.years()
```

Details

Eliminates data from the original dataset `doges` referring to dogaresse, and leaves just data for the doges, eliminating also the "raw" column.

Value

A dataframe with the columns `Doge`, `Century`, `Start`, `End`, `Family`, `Years`

Note

Data originally from the Wikipedia

Author(s)

J. J. Merelo

References

@mischttps://doi.org/10.48550/arxiv.2209.07334, doi = 10.48550/ARXIV.2209.07334,

url = https://arxiv.org/abs/2209.07334,

author = Merelo-Guervós, J. J.,

keywords = Social and Information Networks (cs.SI), Computers and Society (cs.CY), FOS: Computer and information sciences, FOS: Computer and information sciences,

title = What is a good doge? Analyzing the patrician social network of the Republic of Venice,

publisher = arXiv,

year = 2022,

copyright = Creative Commons Attribution Share Alike 4.0 International

See Also

`link{doges}`

Examples

```
library(dogesr)
data.doges.years <- doges.years()
summary(data.doges.years$Years)
```

`family.types` *Load data for Venetian family types into the environment*

Description

Load `family.types` into the environment

Usage

```
data("families")
```

Value

A list with every noble family in the republic of Venice, and the columns

- Key: family name.
- Value: type of family: Estinte, Vecchie, Apostoliche, Evangeliche, Ducali, Nuove, Nuovissime, Soldo; this last name is not standard, and simply describe those who paid to be included into the Maggior Consiglio. This describes how they accessed nobility.

Main design decision here is that this can be used as external index for the type of family.

Examples

```
library(dogesr)
data("family")

# Which type was the Dandolo family?
family.types[["Dandolo"]]

# Which families bought their way into the nobility
family.types == "Soldo"
# The families that actually "made doge"
unique(data.doges$Family.doge)

# Families that had either doge or dogaresse
unique( c(data.doges$Family.doge,data.doges$Family.dogaressa))
```

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