

Package ‘package10593795104317421059735710480219’

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Type Package

Title Package10593795104317421059735710480219

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Description This package can be used to perform statistical analysis on EU Referendum and UK baby name data sets. The `*referendum_data*` set can be used to visualise the percentage of people voting to leave the EU against the diversity of the area. The `*ukbabynames*` data can also be used to visualise the popularity of specific names between the years 1996 to 2015.

License GPL-2 | GPL-3

Encoding UTF-8

LazyData true

Depends R (>= 3.4.1),
dplyr,
ggplot2,
ukbabynames,
scales

Suggests knitr,
rmarkdown

VignetteBuilder knitr

RoxygenNote 6.0.1

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compare_names	<i>Compares the proportion of children with a given name between 1996 and 2015</i>
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Description

This function provides a plot of the proportion of children with a given name between the years 1996 and 2015, grouped by sex and name

Usage

```
compare_names(given_names)
```

Arguments

given_names A string vector containing the names to plot

Value

A plot comparing the proportion of babies having the specified name(s) between 1996 and 2015

Plot A ggplot2 plot.

Author(s)

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Examples

```
# Plot a singular name directly
compare_names("John")

# Plot multiple names directly
compare_names(c("John", "Jane"))

# Plot multiple names using a vector variable
names <- c("John", "Jane", "Jack", "Sam")
compare_names(names)
```

name_entropy	Returns a plot of the name entropy per year
--------------	---

Description

This function returns a plot visualising the entropy of baby names for each year from 1996 to 2015

Usage

```
name_entropy()
```

Value

A plot of the ukbabyname data

Plot A ggplot2 plot.

Author(s)

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Examples

```
name_entropy()
```

name_variation	Returns a plot of comparing the number of unique names per year
----------------	---

Description

This function returns a plot visualising the number of unique baby names for each year from 1996 to 2015

Usage

```
name_variation()
```

Value

A plot of the ukbabyname data:

Plot A ggplot2 plot.

Author(s)

Julian Blau <julian.blau@postgrad.plymouth.ac.uk>, Dan Buckwell <dan.buckwell@postgrad.plymouth.ac.uk>
Clint Cridland <clint.cridland@postgrad.plymouth.ac.uk>, Charalampos Petrocheilos <charalampos.petrochei

Examples

```
name_variation()
```

```
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```

```
package10593795104317421059735710480219: A package to provide statistics on the UK EU referendum and Uk Baby Names data
```

Description

This package provides a function to summarize numerically and graphically the data in the Referendum_Vote_Diversity_Score and ukbabynames data sets

Author(s)

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```
referendum_data      The referendum data
```

Description

The referendum data is data set containing statistics from the 2016 UK EU Referendum. It reports the number and response to votes cast per voting district, along with the turnout and diversity score of the area

Usage

```
referendum_data
```

Format

A data frame with 372 rows and 7 columns:

Voting_District The voting district.

Region The bigger region to which the voting district belongs.

Country The country to which the region belongs.

Votes_Remain The number of people who voted Remain.

Votes_Leave The number of people who voted Leave.

Percentage_Voter_Turnout The percentage of people eligible to vote who actually voted.

Diversity_Score The proportion of people in the population with unique surnames.

Source

Data provided by Julian Stander and Luciana Dalla Valle, but disclosure protected

Examples

```
with(referendum_data, mean(Votes_Remain))
with(referendum_data, mean(Votes_Leave))
```

referendum_diversity	<i>Uses the EU referendum data to plot the leave voters against the diversity score</i>
----------------------	---

Description

This function provides a plot of the number of leave voters in each voting district against its diversity score

Usage

```
referendum_diversity()
```

Value

A plot visualising the percentage of leave votes against the diversity of the area

Plot A ggplot2 plot.

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Examples

```
referendum_diversity()
```

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