Package 'groupProjFunctions'

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Type Package

Title Group Project Functions for R for QBS181

Version 0.1.0

Author Mallory Maher

Description We created functions to make the project easier

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Depends R (>= 3.5.0)

Encoding UTF-8

LazyData true

Imports ggplot2,
tidyverse,
reshape2

RoxygenNote 7.1.2

R topics documented:

`age_gender_plots` *Age Gender Plot by Country/Region*

Description

Function that returns all non-unique values in a vector

Usage

```
age_gender_plots(entity, dataframe)
```

Arguments

entity	enter the country or region you want as a string
entityDF	the data frame you want to use

Value

a plot that has the mental health prevalence rates by age and gender country or region

Examples

```
age_gender_plots("United States", fullDF_region)
```

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build_age_graphs *Build an Age Graph*

Description

Function that creates a line graph of the prevalence of depression for a certain age group in all regions

Usage

```
build_age_graphs(age_grp, df)
```

Arguments

age_grp	age group to graph

Value

a line graph that shows the prevalence of depression across all regions for the specified age groups

Examples

```
age_grp = ten_to_fourteen
build_age_graphs(df$ten_to_fourteen, df)
```

country_region_plots *Region/Country Plot with Mental Health Disorder Prevalence*

Description

Function that returns a plot of mental health prevalence rates per country or region

Usage

```
country_region_plots(entity, entityDF)
```

Arguments

entity	enter the country or region you want as a string
entityDF	the data frame you want to use

Value

a plot that has the mental health prevalence rates per country or region

Examples

```
country_region_plots("United States", fullDF_region)
```

graph_for_region *Region Graphs by Age Group*

Description

Function to create a plot that shows the prevalence of each age group in a specific region over time

Usage

```
graph_for_region(entity, df)
```

Arguments

entity	name of entity
df	name of dataframe

Value

line plot of prevalence for each age group

Examples

```
entity = North America
df = northAmerica_pivot
graph_for_region("North America", northAmerica_pivot)
```

`hello` *Hello, World!*

Description

Prints 'Hello, world!'.

Usage

```
hello()
```

Examples

```
hello()
```

`pivot_my_data` *Pivot my Data*

Description

Function that pivots the data to put Year in a column, age group in a column, and prevalence in a column

Usage

```
pivot_my_data(entity, df)
```

Arguments

`entity`	name of entity

Value

a pivoted dataframe with the Year in a column, the age groups in a separate column, and the prevalence in a column for one region where the region is the value passed in as entity

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