

Package ‘ggcovcases’

September 3, 2022

Title Lineplot Visualisation of COVID-19 Cases and Deaths

Version 0.1.0

Description The ggcovcases package acquires COVID-19 cases or deaths information in each country by automatically picking the data from WHO COVID-19 Global Data(<https://covid19.who.int/WHO-COVID-19-global-data.csv>), and Visualise them as lineplot or connected scatter plot using some ggplot2 functions.

Depends R (>= 4.0.0)

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Roxygen list(markdown = TRUE)

RoxygenNote 7.2.1

Imports ggplot2 (>= 3.3.5),
scales

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get_country_cases_data

Get specific country's COVID-19 cases and deaths from WHO COVID-19 Global Data.

Description

Get specific country's COVID-19 cases and deaths from WHO COVID-19 Global Data.

Usage

```
get_country_cases_data(country_name = "The United Kingdom", days = 90)
```

Arguments

country_name target country for data visualisation, default "The United Kingdom".
 days date duration, default 90.

plot_country_cumulative_cases

Visualise specific country's COVID-19 cumulative cases from WHO COVID-19 Global Data.

Description

Visualise specific country's COVID-19 cumulative cases from WHO COVID-19 Global Data.

Usage

```
plot_country_cumulative_cases(  
  country_name = "The United Kingdom",  
  days = 90,  
  axis_x_txt_size = 8,  
  line_size = 2,  
  line_colour = "#3EC70B"  
)
```

Arguments

country_name target country of data visualisation, default "The United Kingdom".
 days date duration, default 90.
 axis_x_txt_size size of X axis text, default 8.
 line_size size of line, default 2.0,
 line_colour colour of line, default "#3EC70B".

plot_country_cumulative_deaths

Visualise specific country's COVID-19 cumulative deaths from WHO COVID-19 Global Data.

Description

Visualise specific country's COVID-19 cumulative deaths from WHO COVID-19 Global Data.

Usage

```
plot_country_cumulative_deaths(  
  country_name = "The United Kingdom",  
  days = 90,  
  axis_x_txt_size = 8,  
  line_size = 2,  
  line_colour = "#3EC70B"  
)
```

Arguments

country_name	target country of data visualisation, default "The United Kingdom".
days	date duration, default 90.
axis_x_txt_size	size of X axis text, default 8.
line_size	size of line, default 2.0,
line_colour	colour of line, default "#3EC70B".

plot_country_new_cases

Visualise specific country's COVID-19 new cases from WHO COVID-19 Global Data.

Description

Visualise specific country's COVID-19 new cases from WHO COVID-19 Global Data.

Usage

```
plot_country_new_cases(
  country_name = "The United Kingdom",
  days = 90,
  axis_x_txt_size = 8,
  line_size_cases = 1,
  line_size_average = 2,
  line_colour_cases = "gray",
  line_colour_average = "#3EC70B"
)
```

Arguments

country_name	target country of data visualisation, default "The United Kingdom".
days	date duration, default 90.
axis_x_txt_size	size of X axis text, default 8.
line_size_cases	size of cases line, default 1.0.
line_size_average	size of 7 days average line, default 2.0.
line_colour_cases	colour of cases line, default "gray".
line_colour_average	colour of 7 days average line, "#3EC70B".

plot_country_new_cases_deaths

Visualise specific country's relationships between cases and deaths using connected scatter plot.

Description

Visualise specific country's relationships between cases and deaths using connected scatter plot.

Usage

```
plot_country_new_cases_deaths(
  country_name = "The United Kingdom",
  days = 90,
  axis_x_txt_size = 8,
  segment_size = 0.02,
  segment_colour = "gray",
  point_size = 2,
  point_colour = "#3EC70B",
  label_size = 2,
  label_colour = "#3EC70B"
)
```

Arguments

country_name	target country of data visualisation, default "The United Kingdom".
days	date duration, default 90.
axis_x_txt_size	size of X axis text, default 8.
segment_size	segment size of connected scatter plot, default 0.02.
segment_colour	segment colour of connected scatter plot, default "gray".
point_size	point size of connected scatter plot, default 2.0.
point_colour	point colour of connected scatter plot, default "#3EC70B".
label_size	label size of connected scatter plot, default 2.0.
label_colour	label colour of connected scatter plot, default "#3EC70B".

plot_country_new_deaths

Visualise specific country's COVID-19 new deaths from WHO COVID-19 Global Data.

Description

Visualise specific country's COVID-19 new deaths from WHO COVID-19 Global Data.

Usage

```
plot_country_new_deaths(  
  country_name = "The United Kingdom",  
  days = 90,  
  axis_x_txt_size = 8,  
  line_size_deaths = 1,  
  line_size_average = 2,  
  line_colour_deaths = "gray",  
  line_colour_average = "#3EC70B"  
)
```

Arguments

<code>country_name</code>	target country of data visualisation, default "The United Kingdom".
<code>days</code>	date duration, default 90.
<code>axis_x_txt_size</code>	size of X axis text, default 8.
<code>line_size_deaths</code>	size of deaths line, default 1.0.
<code>line_size_average</code>	size of 7 days average line, default 2.0.
<code>line_colour_deaths</code>	colour of deaths line, default "gray".
<code>line_colour_average</code>	colour of 7 days average line, "#3EC70B".

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