Package 'ggcovcases'

August 28, 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

R topics documented:

`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.

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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".

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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".

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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

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_deaths	size of deaths line, default 1.0.
line_size_average	size of 7 days average line, default 2.0.
line_colour_deaths	colour of deaths line, default "gray".
line_colour_average	colour of 7 days average line, "#3EC70B".

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