

# Package: aleksanderR (via r-universe)

March 10, 2025

**Title** Aleksander Bang-Larsen's personal convenience functions

**Version** 0.0.0.9003

**Date** 2024-11-3

**Description** This package supplies all the convenience functions that I have written to make my life easier.

**License** AGPL (>= 3)

**Encoding** UTF-8

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.3.2

**Suggests** testthat (>= 3.0.0)

**Config/testthat/edition** 3

**Config/testthat/parallel** true

**URL** <http://package.aleksanderbl.dk/>,  
<https://github.com/aleksanderbl29/aleksanderR>

**BugReports** <https://github.com/aleksanderbl29/aleksanderR/issues>

**Imports** bibtex, cli, ggplot2 (>= 3.5.1), ggthemes, pak, stringr, usethis, wesanderson, renv, jsonlite

**Repository** <https://aleksanderbl29.r-universe.dev>

**RemoteUrl** <https://github.com/aleksanderbl29/aleksanderR>

**RemoteRef** HEAD

**RemoteSha** 5835a92cd5ec0a2a23e2947c73ed4e939ab06ce6

## Contents

|                           |   |
|---------------------------|---|
| format_num . . . . .      | 2 |
| pkg_bib . . . . .         | 3 |
| plot_nchar . . . . .      | 3 |
| theme_map . . . . .       | 4 |
| theme_map_color . . . . . | 4 |

|              |          |
|--------------|----------|
| <b>Index</b> | <b>6</b> |
|--------------|----------|

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|            |   |
|------------|---|
| format_num | <i>Format a number for presentation</i> |
|------------|---|

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### Description

Format a number for presentation

### Usage

```
format_num(  
  x,  
  decimals = 2,  
  rounding = TRUE,  
  big_mark = ".",  
  decimal_mark = ",",  
)
```

### Arguments

|              |  |
|--------------|--|
| x            | An integer/double value.   |
| decimals     | The amount of decimals the input x should be rounded to.                                 |
| rounding     | Whether or not the input x should be rounded. Excludes the use of the decimals argument. |
| big_mark     | The thousand separator.  |
| decimal_mark | The decimal separator.   |

### Value

A number formatted correctly with two (default) decimals, a comma as the decimal separator and a period as the thousand-separator. The type is *character*.

### Examples

```
x <- pi  
format_num(x)  
  
format_num(x, 1)  
  
format_num(x, rounding = FALSE)
```

---

pkg\_bib *Create bibliography of {renv}-installed packages*

---

**Description**

This was inspired by <https://github.com/rstudio/renv/issues/340>

**Usage**

```
pkg_bib(dependencies = FALSE, filename = "packages.bib", targets = FALSE)
```

**Arguments**

|              |  |
|--------------|--|
| dependencies | Boolean to define how many packages are cited.   |
| filename     | Specify a filename/path for the .bib.  |
| targets      | Boolean to define if the bibliography should be created based on the packages defined in a targets pipeline and saved to <code>_targets_packages.R</code> by the function <code>targets::tar_renv()</code> |

**Value**

Usually called for its side effect of a .bib written to the provided paths. Also outputs the package names in the console.

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plot\_nchar *Get character count from ggplot2 object.*

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**Description**

Get character count from ggplot2 object.

**Usage**

```
plot_nchar(plot)
```

**Arguments**

|      |                        |
|------|------------------------|
| plot | Input a ggplot2 object |
|------|------------------------|

**Value**

Returns a integer with the amount of characters in the plot

**Examples**

```

plot <- data.frame(
  x = seq(1, 10),
  y = seq(10, 1),
  label = rep(seq(1, 10, 2), 2)
) |>
ggplot2::ggplot(ggplot2::aes(x = x, y = y, label = label)) +
  ggplot2::geom_text(nudge_y = 3)

plot_nchar(plot)

```

---

|           |  |
|-----------|--|
| theme_map | <i>A theme made for maps from ggplot2::geom_map().</i> |
|-----------|--|

---

**Description**

This theme is made specifically for maps made with. A color-ready version exists as `theme_map_color()`.

**Usage**

```
theme_map(base_size = 9, base_family = "")
```

**Arguments**

|             |                               |
|-------------|-------------------------------|
| base_size   | base font size, given in pts. |
| base_family | base font family              |

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|                 |  |
|-----------------|--|
| theme_map_color | <i>A color-ready theme made for maps from ggplot2::geom_map().</i> |
|-----------------|--|

---

**Description**

This theme is made color-ready specifically for maps.

**Usage**

```

theme_map_color(
  color = "green",
  secondary_color = "pink",
  background_color = "black",
  base_size = 9,
  base_family = ""
)

```

**Arguments**

|                               |  |
|-------------------------------|--|
| <code>color</code>            | The primary color of the <code>theme_map_color()</code> plot. "Default is "green". |
| <code>secondary_color</code>  | The secondary color of the <code>theme_map_color()</code> plot. Default is "pink". |
| <code>background_color</code> | The primary color of the <code>theme_map_color()</code> plot. Defaults is "black". |
| <code>base_size</code>        | base font size, given in pts.  |
| <code>base_family</code>      | base font family   |

# Index

`format_num`, 2

`pkg_bib`, 3

`plot_nchar`, 3

`theme_map`, 4

`theme_map_color`, 4