

# Package ‘tickr’

July 22, 2025

**Type** Package

**Title** Consistent Axis Tick Marks

**Version** 1.0.2

**Maintainer** Benjamin C. Williams <k1eheni@gmail.com>

**Description** This is a small package to provide consistent tick marks for plotting 'ggplot2' figures. It provides breaks and labels for 'ggplot2' without requiring 'ggplot2' to be installed.

**License** MIT + file LICENSE

**Encoding** UTF-8

**Imports** ggplot2, magrittr, rlang

**RoxygenNote** 7.3.2

**Suggests** knitr, rmarkdown, testthat (>= 3.0.0)

**Config/testthat/edition** 3

**URL** <https://github.com/ben-williams/tickr>

**NeedsCompilation** no

**Author** Benjamin C. Williams [aut, cre] (ORCID:  
<<https://orcid.org/0000-0001-7295-2076>>)

**Repository** CRAN

**Date/Publication** 2025-04-10 14:30:05 UTC

## Contents

scale_x_tickr . . . . .	2
scale_y_tickr . . . . .	3
tickr . . . . .	4
<b>Index</b>	<b>5</b>

---

scale\_x\_tickr      *Adjust axis tick marks and labels*

---

### Description

Adjust axis tick marks and labels

### Usage

```
scale_x_tickr(  
  ...,  
  data,  
  var,  
  by = 5,  
  var_min = NULL,  
  var_max = NULL,  
  lab_start = NULL,  
  lab_end = NULL  
)
```

### Arguments

...	other ggplot2::scale_x_continuous inputs
data	A dataframe containing the variable of interest
var	Variable of interest (e.g., year)
by	Step increase desired (e.g., every 5 years)
var_min	minimum value to adjust axis range
var_max	Maximum value to adjust axis range
lab_start	Lowest value to label
lab_end	Last value to label

### Value

An object that can be added to a ggplot object

### Examples

```
# Use with ggplot2  
df <- data.frame(year = 1977:2023, value = rnorm(47))  
library(ggplot2)
```

---

scale_y_tickr	<i>Adjust axis tick marks and labels</i>
---------------	--

---

## Description

Adjust axis tick marks and labels

## Usage

```
scale_y_tickr(  
  ...,  
  data,  
  var,  
  by = 5,  
  var_min = NULL,  
  var_max = NULL,  
  lab_start = NULL,  
  lab_end = NULL  
)
```

## Arguments

...	= other <code>ggplot2::scale_y_continuous</code> inputs
data	A dataframe containing the variable of interest
var	variable of interest (e.g., year)
by	step increase desired (e.g., every 5 years)
var_min	minimum value to adjust axis range
var_max	Maximum value to adjust axis range
lab_start	Lowest value to label
lab_end	Last value to label

## Value

An object that can be added to a `ggplot` object

## Examples

```
# Use with ggplot2  
df <- data.frame(year = 1977:2023, value = rnorm(47))  
library(ggplot2)  
ggplot2::ggplot(data=df, ggplot2::aes(x = value, y = year)) +  
  ggplot2::geom_line() +  
  scale_y_tickr(data = df, var = year, by = 5)
```

---

tickr *Adjust axis tick marks and labels*

---

### Description

Adjust axis tick marks and labels

### Usage

```
tickr(  
  data,  
  var,  
  by = 5,  
  var_min = NULL,  
  var_max = NULL,  
  lab_start = NULL,  
  lab_end = NULL  
)
```

### Arguments

data	A dataframe containing the variable of interest
var	Variable of interest (e.g., year)
by	Step increase desired (e.g., every 5 years)
var_min	minimum value to adjust axis range
var_max	Maximum value to adjust axis range
lab_start	Lowest value to label
lab_end	Last value to label

### Value

A dataframe containing:

breaks	Numeric vector of axis break positions
labels	Character vector of axis labels

### Examples

```
# Create sample data  
df <- data.frame(year = 1977:2023, value = rnorm(47))  
  
# Basic usage  
tickr(data=df, var=year, by=5)
```

# Index

`scale_x_tickr`, 2

`scale_y_tickr`, 3

`tickr`, 4