ChronochRt

Import/Create

From file

csv txt xls xlsx ...

```
import_chron(path = ...)
```

(Import of Excel files requires the package „readxl“)

From data set

Location	Title	From	To	Sub	Compare	...
A	1	-200	200	1	FALSE	...
A	1a	-200	0	2	FALSE	...
A	1b	0	200	2	FALSE	...
A	C	-100	100	1	TRUE	...

```
convert_to_chron(data = ...)
```

From direct input

```
add_chron(..., new_table = TRUE)
```

The chronological data set

region	name	start	end	level	add	...
A	1	-200	200	1	FALSE	...
A	1a	-200	0	2	FALSE	...
A	1b	0	200	2	FALSE	...
A	C	-100	100	1	TRUE	...

Create text labels

```
add_label_text(..., new = TRUE)
```

region	year	position	label	...
A	-150	0.9	Flood	...
A	50	1.9	Earthquake	...

Modify

Add chron

```
add_chron(data = data, ...,
  new_table = FALSE)
```

region	name	start	end	level	add	...
A	1	-200	200	1	FALSE	...
A	1a	-200	0	2	FALSE	...
A	1b	0	200	2	FALSE	...
A	C	-100	100	1	TRUE	...
B	1	-150	200	1	FALSE	...

Add text labels

```
add_label_text(data = data,
  ..., new = FALSE)
```

region	year	position	label	...
A	-150	0.9	Flood	...
A	50	1.9	Earthquake	...
B	100	0.9	Famine	...

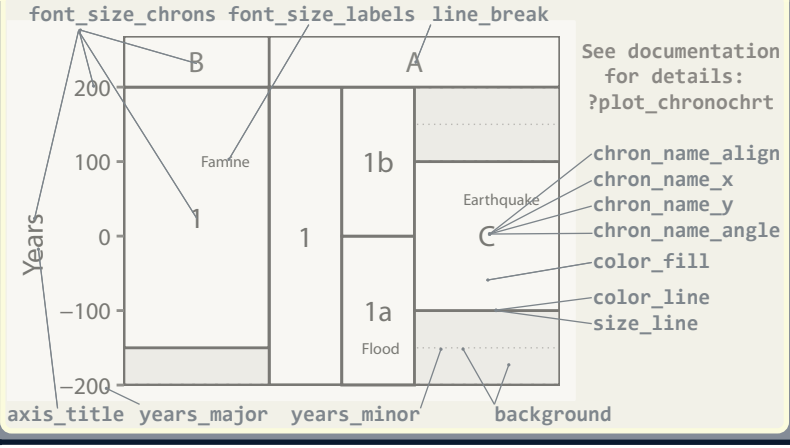
Arrange regions in chart

```
arrange_regions(data = data,
  regions = c(“B“, “A“))
```

Plot & Export

```
plot_chronochrt(data, labels_text, ...)
```

Customize



See documentation for details: ?plot_chronochrt

chron_name_align
chron_name_x
chron_name_y
chron_name_angle
color_fill
color_line
size_line

Export

```
filename = “example.pdf“
plot_dim = c(width, height, unit)
additional parameters, e.g. dpi
```

jpg png tiff pdf eps svg ...

(svg requires package „svglite“)

Chrons in ChronochRt

Chron = chronological unit

Essential information:

region name start end level add

Additional information:

... e.g. custom coordinates of the name

Unclear start/end

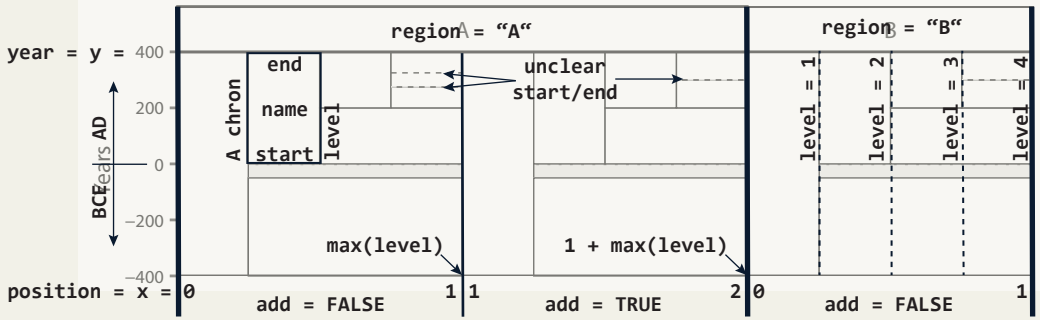
Indicated with “/“:

“Year 1/Year 2“ for a period

“Year/Year“ for a specific date

The order of the years must be the same for neighbouring chrons!

The chronological chart



BY-NC-SA T. Rose, C. Girotto · https://gitlab.com/roset/chronochrt · ChronochRt 0.5.0 · Updated: 06/2020