

# Kebab Chart

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MIT

Chart for temporal span representation

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# Part I

## Available commands

```
#kebab-chart
```

```
#kebab-chart(  
  {ticks}: 10,  
  {date-format}: "[day] [month repr:short]",  
  {start-date}: auto,  
  {end-date}: auto,  
  {date-padding}: duration(weeks: 1),  
  {width}: 10cm,  
  {span-height}: 0.3cm,  
  {vertical-padding}: 0.6,  
  {bookmarks}: (),  
  {label-side}: "both",  
  {weekdays}: none,  
  {data}  
)
```

A time range chart with multiple lines and spans per line.

ticks and bookmarks may accept a function that received a dictionary with the following values:

- visible-start: The datetime of the left-most horizontal position
- visible-end: The datetime of the right-most horizontal position
- data-start: The earliest datetime of the entries from data
- data-end: The latest datetime of the entries from data

Argument

```
{ticks}: 10 int | array | function
```

Ticks on the x-axis.

Can be one of:

- a number of ticks
- a list of ticks
- a function that returns a list of ticks.

A tick can be either a datetime or a dictionary with the following values:

- date: The position of tick on the x-axis
- content: The content used displayed under the tick
- color: Override the color used to display the tick

Argument

```
{date-format}: "[day] [month repr:short]" str
```

## I Available commands

The format used to display tick datetime.

Argument

`<start-date>: auto` datetime | auto

The earliest date to show.

If set to auto, use the earliest datetime from data.

Argument

`<end-date>: auto` datetime | auto

The latest date to show.

If set to auto, use the latest datetime from data.

Argument

`<date-padding>: duration(weeks: 1)` duration

A padding applied to start-date and end-date to determines the visible range of dates.

Argument

`<width>: 10cm` length

The width the canvas will occupied.

Argument

`<span-height>: 0.3cm` length

The height of the spans

Argument

`<vertical-padding>: 0.6` length

Spaces between each “kebab” lines.

Argument

`<bookmarks>: ()` array | function

A list or a function that returns a list of bookmarks.

A bookmark is a dictionary with the following values:

- **date:** a datetime or an array of two datetimes.
- **position:** Either "above" or "below" (default to "above"), the layer on which the bookmark is rendered.
- **stroke:** The stroke used to render the bookmark.
- **fill:** The fill used to render the bookmark.
- **content:** Facultative content rendered above the bookmark.

Argument

`<label-side>: "both"` "left" | "right" | "both" | none

## I Available commands

Which sides on which render the data's labels.

Argument

`{weekdays}`: `none`

`none` | `auto` | `array`

If not `none`, shows the weekday above the charts.

Expect to be an array with 7 items (one for each weekdays).

Argument

`{data}`

`array`

The data used to defined each “kebab” and each time span.

An array of dictionary with the following properties:

- `label`: a label displayed on the side.
- `spans`: a list of time spans.

Span is a dictionary with the following properties:

- `start`: a datetime that defined the start of the span.
- `end`: a datetime that defined the end of the span.
- `stroke`: the stroke used to render the span.
- `fill`: the fill used to render the span.

# Part II

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### K

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