Kebab Chart

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Chart for temporal span representation

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Table of Contents

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`

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

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 stoke used to render the span.
- `fill`: the fill used to render the span.

Part II

Index

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