

Das DiagrammeR Paket

Jan-Philipp Kolb

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Um was geht es?

- ▶ Der Start
- ▶ Das R-Paket DiagrammeR

```
install.packages('DiagrammeR')
```

```
library('DiagrammeR')
```

Eine einfache Grafik erzeugen

```
DiagrammeR("  
  graph LR  
    A-->B  
    A-->C  
    C-->E  
    B-->D  
    C-->D  
    D-->F  
    E-->F  
")
```

Ein GANTT Diagramm erstellen

```
DiagrammeR("
gantt
    dateFormat YYYY-MM-DD
    title Adding GANTT diagram functionality to mermaid
    section A section
    Completed task           :done,    des1, 2014-01-01
    Active task              :active,   des2, 2014-01-02
    Future task              :         des3, after des1
    Future task2             :         des4, after des1
    section Critical tasks
    Completed task in the critical line :crit, done, 2014-01-02
    Implement parser and jison          :crit, done, after des1
    Create tests for parser             :crit, active, after des1
    Future task in critical line        :crit, 5d
    Create tests for renderer           :2d
    Add to mermaid                     :1d
")
```

Ein weiteres Gantt Diagramm

```
library(DiagrammeR)
mermaid("
gantt
dateFormat YYYY-MM-DD
title A Very Nice Gantt Diagram

section Basic Tasks
This is completed           :done,          first_1,      2019-01-01, 2019-01-01
This is active              :active,       first_2,      2019-01-01, 2019-01-02
Do this later               :              first_3,      2019-01-02, 2019-01-03
Do this after that          :              first_4,      2019-01-03, 2019-01-04

section Important Things
Completed, critical task    :crit, done,   import_1,     2019-01-01, 2019-01-01
Also done, also critical    :crit, done,   import_2,     2019-01-01, 2019-01-02
Doing this important task now :crit, active, import_3,     2019-01-02, 2019-01-03
Next critical task          :crit,         import_4,     2019-01-03, 2019-01-04
```

Links

- ▶ Github repo
- ▶ Gantt chart
- ▶ Javascript Bibliothek mermaid
- ▶ viz.js