

Mermaid

Interwork

- Mermaid-cli
 - Mermaid-cli as preprocessor for markdown
- A mermaid filter for pandoc on npm
 - not currently used

examples

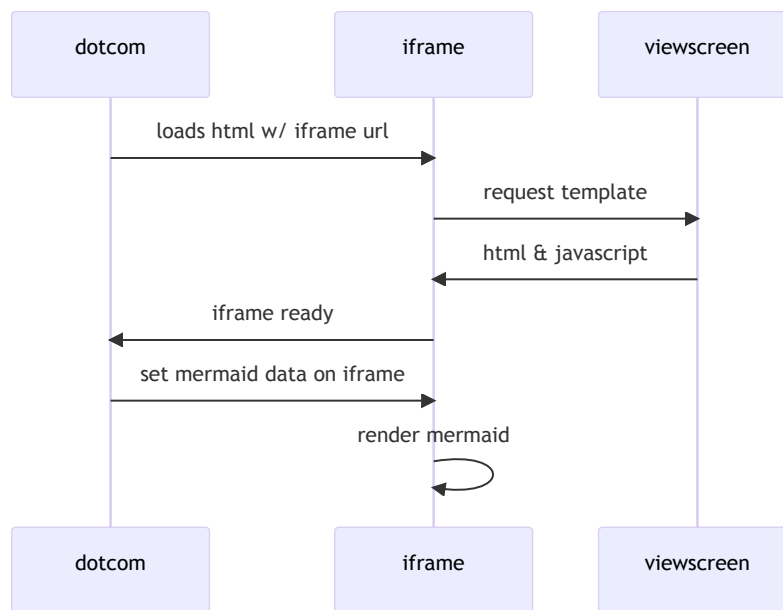


Figure 1: diagram

Mermaid-cli Usage

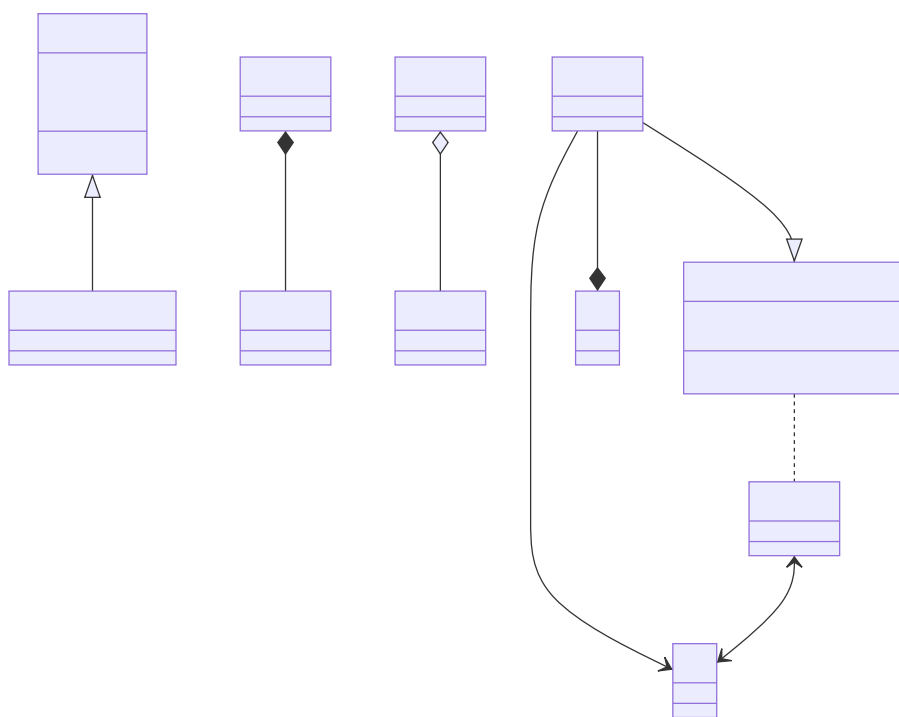
- transform with mmdc and then render with pandoc to pdf

```
mmdc -i README.md -o README.transformed.md
pandoc README.transformed.md -o README.pdf
```

pandoc-plot

A Pandoc filter to generate figures from code blocks in documents

license GPLv2+



`pandoc-plot` turns code blocks present in your documents (Markdown, LaTeX, etc.) into embedded figures, using your plotting toolkit of choice, including Matplotlib, ggplot2, MATLAB, Mathematica, and more.

Overview

This program is a Pandoc filter. It can therefore be used in the middle of conversion from input format to output format, replacing code blocks with figures.

The filter recognizes code blocks with classes that match plotting toolkits. For example, using the `matplotlib` toolkit:

```
# My document
```

This is a paragraph.

```
```{matplotlib}
import matplotlib.pyplot as plt

plt.figure()
plt.plot([0,1,2,3,4], [1,2,3,4,5])
plt.title('This is an example figure')
```
```

Putting the above in `input.md`, we can then generate the plot and embed it in an HTML page:

```
pandoc --filter pandoc-plot input.md --output output.html
```

The resulting `output.html` looks like this:

```
<h1 id="my-document">My document</h1>

<p>This is a paragraph.</p>

<figure>

</figure>
```

Supported toolkits

`pandoc-plot` currently supports the following plotting toolkits (installed separately):

- `matplotlib`: plots using the `matplotlib` Python library;
- `plotly_python`: plots using the `plotly` Python library;
- `plotly_r`: plots using the `plotly` R library
- `matlabplot`: plots using MATLAB;
- `mathplot`: plots using Mathematica;

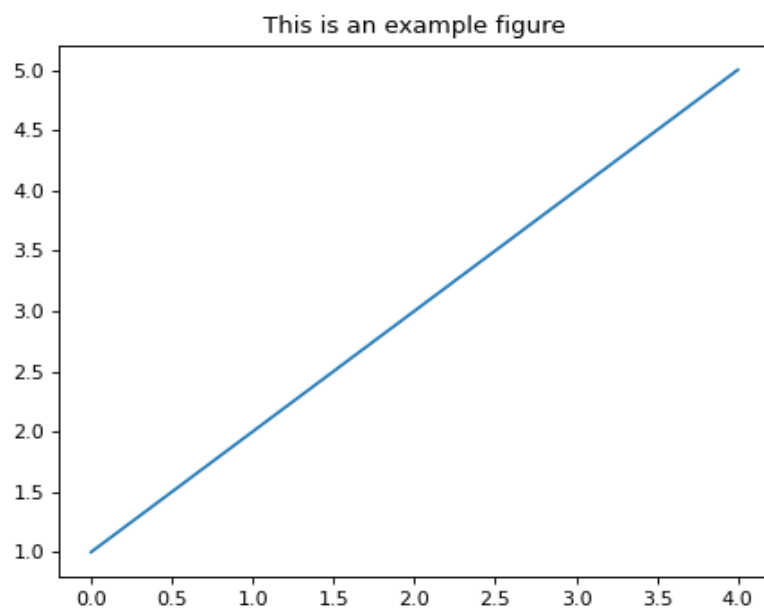


Figure 3:

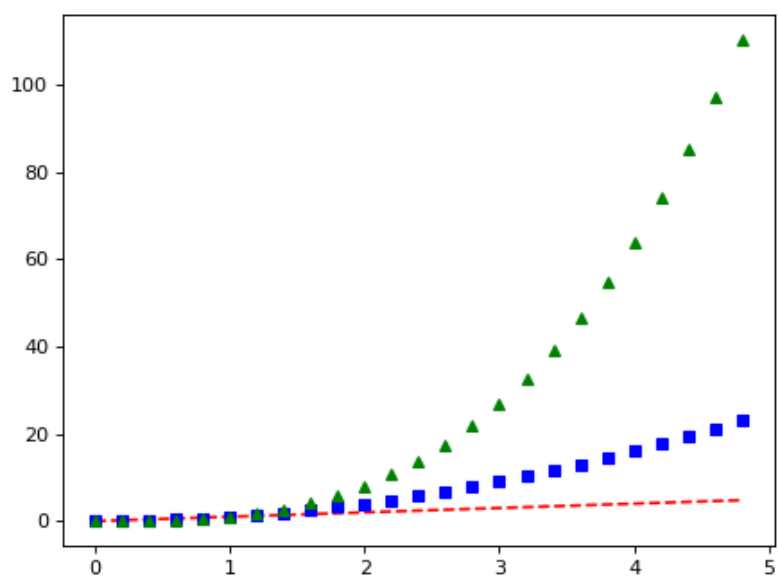


Figure 4:

- `octaveplot`: plots using GNU Octave;
- `ggplot2`: plots using `ggplot2`;
- `gnuplot`: plots using `gnuplot`;
- `graphviz`: graphs using `Graphviz`;
- `bokeh`: plots using the Bokeh visualization library;
- `plotsjl`: plots using the `Julia Plots.jl` package;
- `plantuml`: diagrams using the PlantUML software suite;
- `sageplot`: plots using the Sage software system.

To know which toolkits are useable on *your machine* (and which ones are not available), you can check with the `toolkits` command:

```
pandoc-plot toolkits
```

Wish your plotting toolkit of choice was available? Please raise an issue!

Documentation

You can find more information in the documentation, available either in the source repository file `MANUAL.md`, on the webpage, or via the command `pandoc-plot --manual`.