Haupttitel

Subtitel

Firstname Surname

January 2015

Inhaltsverzeichnis

Abstract

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Acknowledgements

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1 Bilder

1.1 Image With Caption

Abbildung 1: Beschreibung Figure

1.2 Scaling

2 Tabellen

2.1 LaTeX Table with Caption

At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr.

Tabelle 1: Latex Table mit Caption

Test Nr.	Position	Radius	Rot	Grün	Blau	beste Fitness	Abweichung
1	20 %	20 %	20 %	20 %	20 %	7,5219	0,9115
2	0 %	25 %	25 %	25 %	25 %	8,0566	1,4462
3	0 %	0 %	33 %	33 %	33 %	8,7402	2,1298

Tabelle 1: Latex Table mit Caption

Test Nr.	Position	Radius	Rot	Grün	Blau	beste Fitness	Abweichung
4	50 %	20 %	10 %	10 %	10 %	6,6104	0,0000
5	70 %	0 %	10 %	10 %	10 %	7,0696	0,4592
6	20 %	50 %	10 %	10 %	10 %	7,0034	0,3930

2.2 Markdown Table without Caption

Lorem markdownum Letoia, et alios: figurae flectentem annis aliquid Peneosque abesse, obstat gravitate. Obscura atque coniuge, per de coniunx, sibi medias commentaque virgine anima tamen comitemque petis, sed. In Amphion vestros hamos ire arceor mandere spicula, in licet aliquando.

Test Nr.	Position	Radius	Rot	Grün	Blau	beste Fitness	Abweichung
1	20 %	20 %	20 %	20 %	20 %	7,5219	0,9115
2	0 %	25 %	25 %	25 %	25 %	8,0566	1,4462
3	0 %	0 %	33 %	33 %	33 %	8,7402	2,1298
4	50 %	20 %	10 %	10 %	10 %	6,6104	0,0000
5	70 %	0 %	10 %	10 %	10 %	7,0696	0,4592
6	20 %	50 %	10 %	10 %	10 %	7,0034	0,3930
7	40 %	15 %	15 %	15 %	15 %	6,9122	0,3018

2.3 Markdown Table with Caption

Tabelle 3: Tabelle mit Caption.

Test Nr.	Position	Radius	Rot	Grün	Blau	beste Fitness	Abweichung
1	20 %	20 %	20 %	20 %	20 %	7,5219	0,9115
2	0 %	25 %	25 %	25 %	25 %	8,0566	1,4462
3	0 %	0 %	33 %	33 %	33 %	8,7402	2,1298
4	50 %	20 %	10 %	10 %	10 %	6,6104	0,0000
5	70 %	0 %	10 %	10 %	10 %	7,0696	0,4592
6	20 %	50 %	10 %	10 %	10 %	7,0034	0,3930
7	40 %	15 %	15 %	15 %	15 %	6,9122	0,3018

3 Goodies mit Styling

3.1 Boxes with `pandoc-latex-environment` and awesomebox

This example demonstrates the use of the filter `pandoc-latex-environments` to create custom boxes with the awesomebox package. *pandoc-latex-environment* is a pandoc filter for adding LaTeX environement on specific HTML div tags.

3.1.1 Box Types

For a list of all available boxes and options visit the awesomebox documentation.

```
::: note
Lorem ipsum dolor ...
```

:::

> Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nam aliquet libero quis lectus elementum fermentum.
>
> Fusce aliquet augue sapien, non efficitur mi ornare sed. Morbi at dictum felis. Pellentesque tortor lacus, semper et neque vitae, egestas commodo nisl.

::: tip
Lorem ipsum dolor ...
:::

> Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nam aliquet libero quis lectus elementum fermentum.
>
> Fusce aliquet augue sapien, non efficitur mi ornare sed. Morbi at dictum felis. Pellentesque tortor lacus, semper et neque vitae, egestas commodo nisl.

::: warning
Lorem ipsum dolor ...
:::

> Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nam aliquet libero quis lectus elementum fermentum.
>
> Fusce aliquet augue sapien, non efficitur mi ornare sed. Morbi at dictum felis. Pellentesque tortor lacus, semper et neque vitae, egestas commodo nisl.

::: caution
Lorem ipsum dolor ...
:::

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>
> Fusce aliquet augue sapien, non efficitur mi ornare sed. Morbi at dictum felis. Pellentesque tortor lacus, semper et neque vitae, egestas commodo nisl.

```
::: important
Lorem ipsum dolor ...
:::
```

> ❗ Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nam aliquet libero quis lectus elementum fermentum.
>
> Fusce aliquet augue sapien, non efficitur mi ornare sed. Morbi at dictum felis. Pellentesque tortor lacus, semper et neque vitae, egestas commodo nisl.

One can also use raw HTML `div` tags to create the custom environments.

```html
<div class="important">
Lorem ipsum dolor ...
</div>
```

> ❗ Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nam aliquet libero quis lectus elementum fermentum.

Markdown formatting inside the environments is supported.

Lorem ipsum dolor sit amet, `consectetur adipiscing` elit.

```
if(args.length < 2) {
    System.out.println("Lorem ipsum dolor sit amet");
}
```

Nam aliquet libero quis lectus elementum fermentum.

3.2 Boxes with `pandoc-latex-environment` and `tcolorbox`

This example demonstrates the use of the filter `pandoc-latex-environments` to create custom boxes with the `tcolorbox` package. *pandoc-latex-environment* is a pandoc filter for adding LaTeX environement on specific HTML div tags. For a list of all available options visit the `tcolorbox documentation`.

3.2.1 Simple Box

> Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nam aliquet libero quis lectus elementum fermentum.

3.2.2 Markdown inside the Box

Markdown formatting inside the environment is supported.

```
Lorem ipsum dolor sit amet, consectetur adipiscing elit.

if(args.length < 2) {

    System.out.println("Lorem ipsum dolor sit amet");

}
```

Nam aliquet libero quis lectus elementum fermentum.

3.2.3 Custom Box

One can define custom boxes in the LaTeX preamble with the variable `header-includes` at the top of this document.

Info: This is a custom box that may be used to show info messages in your document.

Warning: This is a custom box that may be used to show warning messages in your document.

Error: This is a custom box that may be used to show error messages in your document.

4 Code Listings

4.1 Ohne Nix

```
public class Example implements LoremIpsum {
    public static void main(String[] args) {
        if(args.length < 2) {
            System.out.println("Lorem ipsum dolor sit amet");
        }
```

```
    } // Obscura atque coniuge, per de coniunx
}
```

4.2 Mit Label und Caption

Listing 1 Listing caption

```
1  main :: IO ()
2  main = putStrLn "Hello World!"
```

4.3 Caption separat

Listing 2 Listing caption

```
main :: IO ()
main = putStrLn "Hello World!"
```

5 Zitate und Crossrefs

5.1 Example Footnote

Here is a simple footnote[1]. With some additional text after it.

5.2 Zitate

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Praesent enim urna, dapibus et bibendum vel, consectetur et turpis. Cras a molestie nulla. (Hemingway, 1952)

---

[1] My reference.

Blah blah [see Hemingway (1952), pp. 33-35.

Blah blah (Hemingway, 1952, pp. 33-35, 38-39 and *passim*).

Blah blah (Hemingway, 1952).

Hemingway (1952) says blah.

Hemingway (1952, p. 33) says blah.

5.3 Abschnitte referenzieren

Ich referenziere mich selbst als Abschnitt und soAbschnitt. 5.3.

5.4 Gleichungen referenzieren

$$y = mx + b \tag{1}$$

Ich referenziere die Gleichung Gl. 1

5.5 Bilder referenzieren

Ich referenziere das Bild Abb. 1

5.6 Tabelle referenzieren

I have also listed some of the points on this line in the following table:

Tabelle 4: Results related to my line.

X	Y
1	1

X	Y
2	2
3	3
4	4

Ich referenziere die Tabelle Tbl. 4

6 Mathe

6.1 Mit Begin

$$p_{ij}(t) = \frac{\ell_j(t) - \ell_i(t)}{\sum_{k \in N_i(t)} \ell_k(t) - \ell_i(t)} \tag{2}$$

6.2 Inline

$$math \tag{3}$$

Appendix 1: Some extra stuff

Add appendix 1 here. Vivamus hendrerit rhoncus interdum. Sed ullamcorper et augue at porta. Suspendisse facilisis imperdiet urna, eu pellentesque purus suscipit in. Integer dignissim mattis ex aliquam blandit. Curabitur lobortis quam varius turpis ultrices egestas.

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Hemingway, E. (1952). *The Old Man and the Sea*. Charles Scribner's Sons.