Contents

1 Top Level Heading

Content here. Here is some `inline-code`. To run this example, navigate to the `./sample` directory and run Make with the following command.

```
make pdf
```

Second Level Heading

Here is some math using `$$` with Latex:

$$y = mx + b$$

Here is inline math $y = f(x)$ and more math using `equation` environment:

$$\underbrace{\frac{\partial}{\partial t} \int_V \rho dV}_{\text{Rate of change of mass}} = \underbrace{- \oint_S \rho \underline{v} \cdot \underline{n} dS}_{\text{Net inflow of mass}} \tag{1}$$

Third Level Heading

Variables can be put in the YAML metadata block as well. For example, to set the font size:

```
fontsize: "10pt"
```

Paragraph Level Heading

Here is a paragraph.

Hyperlinks

Here is a markdown hyperlink: Pandoc. Here is an HTML hyperlink: Pandoc.

2 Figures and Images

Figures

Figures can be included, centered, and caption with either Markdown or HTML.

Figure 1: Sample image caption in Markdown

Figure 2: *Sample image caption in HTML, italicized*

Images

Centering an *image*, that is without a caption that would be associated with a figure, seems not so straightforward. The easiest solution, if the behavior should be *only centered images in the entire document* seems to be to define all images as figures with a non-printing character for the caption, and use the following LaTeX (e.g. via `include-in-header`) to not display the figure label at all.

```
1  \usepackage{caption}
2  \captionsetup[figure]{labelformat=empty}
```

The Figure can be defined with

```
1  ![\ ](./sample.png){width=200}
```

Alternatively, to center only specific images within a document, the following can be used in the Markdown

```
1  \centering
2  ![](./sample.png){width=200}
3  \raggedright
```

which produces

```
___
title: "Sample Notes"
date: "November 2019"
author: "Daniel Wiese"
subject: "Sample Notes"
keywords: [Markdown, Pandoc, Example]
lang: "en"
___
```

Pure LaTeX also works, e.g.

```
___
title: "Sample Notes"
date: "November 2019"
author: "Daniel Wiese"
subject: "Sample Notes"
keywords: [Markdown, Pandoc, Example]
lang: "en"
___
```

3 Quotes and a Reference

Below is a quote with a reference [1].

> Aerodynamics is fun!

References

[1]   J. D. A. Jr., *Fundamentals of aerodynamics*. McGraw-Hill Education, 2010 [Online]. Available: https://books.google.com/books?id=xwY8PgAACAAJ