

# Tufte Handouts in rmarkdown

Michael Sachs

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## Introduction

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents.<sup>1</sup> This package provides output formats to create “Tufte-style” handouts.

Tufte-style handouts make heavy use of the right margin. Our package provides templates for creating these types of documents in pdf or html format. The pdf format uses the tufte-handout document class<sup>2</sup>. The html format uses bootstrap with some css to put stuff in the margin. Each uses knitr hooks to specify the types of figures.

<sup>1</sup> For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

<sup>2</sup> Credit: <http://code.google.com/p/tufte-latex/>

## Usage

To create sidenotes in html, some raw html is required. Place the sidenote content between the tags `<emph class="sidenote"></emph>` to place them in the sidebar. In the pdf version, simply use the pandoc footnote format `^[Content]`.

The package provides two custom hooks for figure placement. The first is `marginfigure`. Set `marginfigure = TRUE` in a chunk option to place a figure in the right margin. Optionally, specify the figure size and include a caption.

```
library(ggplot2)
ggplot(mtcars, aes(y = mpg, x = wt)) + geom_point() +
  stat_smooth(method = "lm")
```

The second custom hook is `fig.star`. Setting `fig.star = TRUE` creates a full-width figure spanning the main body and the margin. Specify the width and height for best results.

```
ggplot(faithful, aes(y = eruptions, x = waiting)) +
  geom_point() + stat_smooth(method = "loess")
```

Finally, normal figures are plotted in the main body, with the captions in the margin. The only option necessary here is the caption itself.

```
ggplot(faithful, aes(x = eruptions)) + geom_histogram(binwidth = 0.5)
```

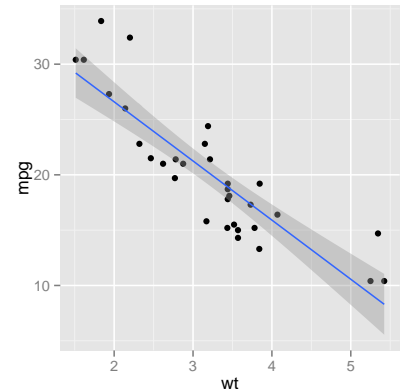


Figure 1: This is a marginfigure

## Resources

Learn more about rmarkdown: <http://rmarkdown.rstudio.com>

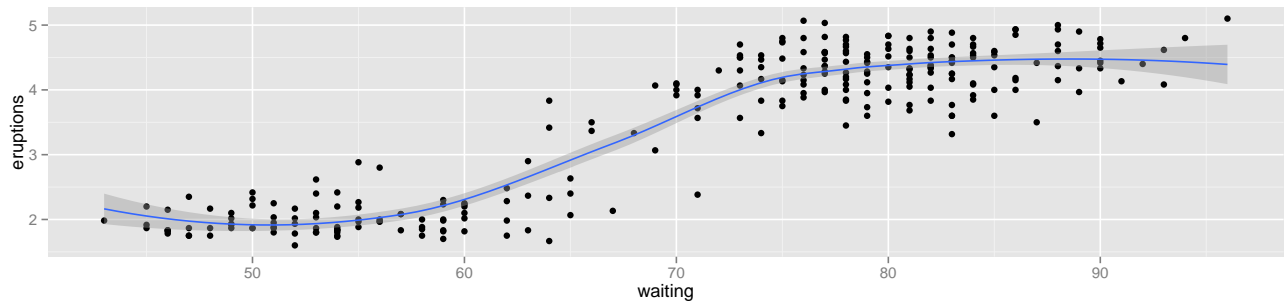


Figure 2: Full-width figure

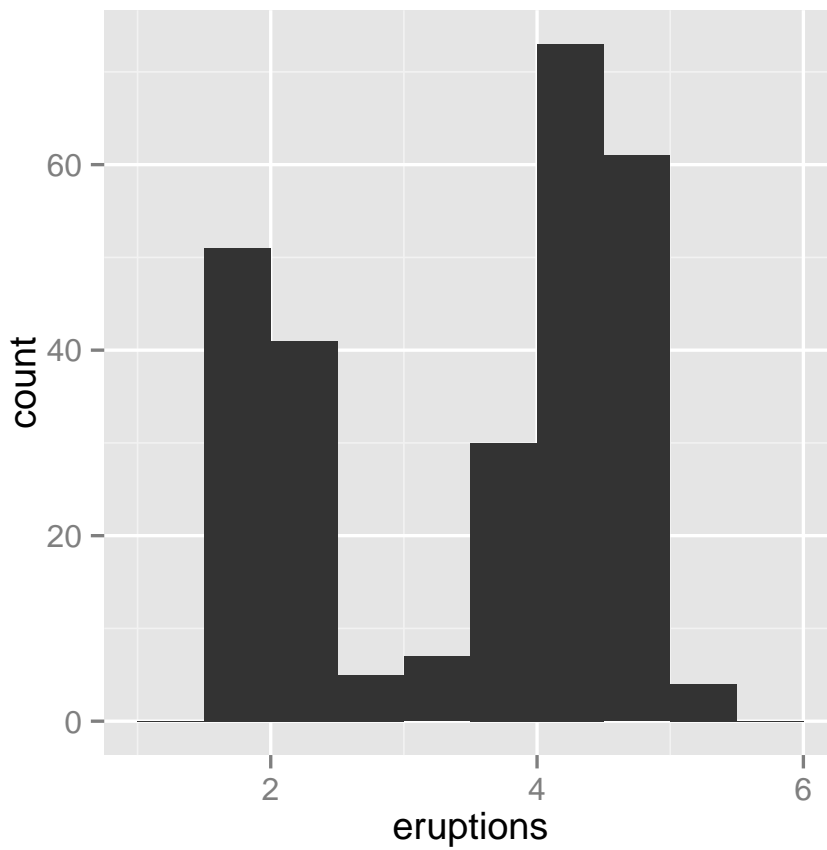


Figure 3: Normal figure with caption in the margin