

Photogrammetric Potsherd Profiling

Karl Edwards

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Motivation

The Tufte handout style is a style that Edward Tufte uses in his books and handouts. Tufte's style is known for its extensive use of side-notes, tight integration of graphics with text, and well-set typography. This style has been implemented in LaTeX and HTML/CSS¹, respectively. We have ported both implementations into the **tufte** package. If you want LaTeX/PDF output, you may use the **tufte_handout** format for handouts, and **tufte_book** for books. For HTML output, use **tufte_html**. These formats can be either specified in the YAML metadata at the beginning of an R Markdown document (see an example below), or passed to the **rmarkdown::render()** function. See ? more information about **rmarkdown**.

¹ See Github repositories [tufte-latex](#) and [tufte-css](#)

There are two goals of this package:

1. To produce both PDF and HTML output with similar styles from the same R Markdown document;
 2. To provide simple syntax to write elements of the Tufte style such as side notes and margin figures, e.g. when you want a margin figure, all you need to do is the chunk option `fig.margin = TRUE`, and we will take care of the details for you, so you never need to think about `\begin{marginfigure} \end{marginfigure}` or ` `; the LaTeX and HTML code under the hood may be complicated, but you never need to learn or write such code.
- If you have any feature requests or find bugs in **tufte**, please do not hesitate to file them to <https://github.com/rstudio/tufte/issues>. For general questions, you may ask them on StackOverflow: <http://stackoverflow.com/tags/rmarkdown>.

Headings

This style provides first and second-level headings (that is, # and ##), demonstrated in the next section. You may get unexpected output if you try to use ### and smaller headings.

IN HIS LATER BOOKS², Tufte starts each section with a bit of vertical space, a non-indented paragraph, and sets the first few words of

² Beautiful Evidence

the sentence in small caps. To accomplish this using this style, call the `newthought()` function in **tuft** in an *inline R expression* ``r`` as demonstrated at the beginning of this paragraph.³

Figures

Margin Figures

Images and graphics play an integral role in Tufte's work. To place figures in the margin you can use the **knitr** chunk option `fig.margin = TRUE`. For example:

```
library(ggplot2)
mtcars2 <- mtcars
mtcars2$am <- factor(
  mtcars$am, labels = c('automatic', 'manual')
)
ggplot(mtcars2, aes(hp, mpg, color = am)) +
  geom_point() + geom_smooth() +
  theme(legend.position = 'bottom')

## `geom_smooth()` using method = 'loess'
```

³ Note you should not assume **tuft** has been attached to your R session. You should either `library(tuft)` in your R Markdown document before you call `newthought()`, or use `tuft::newthought()`.

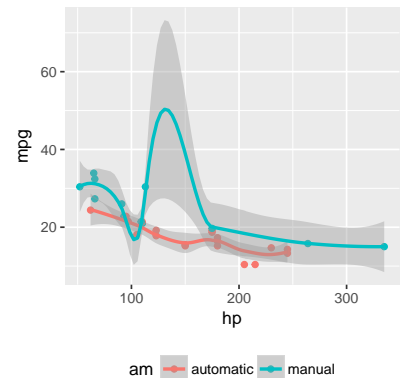


Figure 1: MPG vs horsepower, colored by transmission.