test_pdf

PDF Version vs web version

Uses the `pagedown` package with a copy of the css file from the web version with minor changes:

PDF version (pdf.css):

```
body {
  font-size: 1rem; /* Changed */
  text-align: left; /* Changed */
}
```

Original web version (style.css):

```
body {
  font-size: 1.6rem;
  text-align: justify;
}
```

Part 1 - “Regular” non-interactive R markdown test with static graphics

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see http://rmarkdown.rstudio.com (http://rmarkdown.rstudio.com).

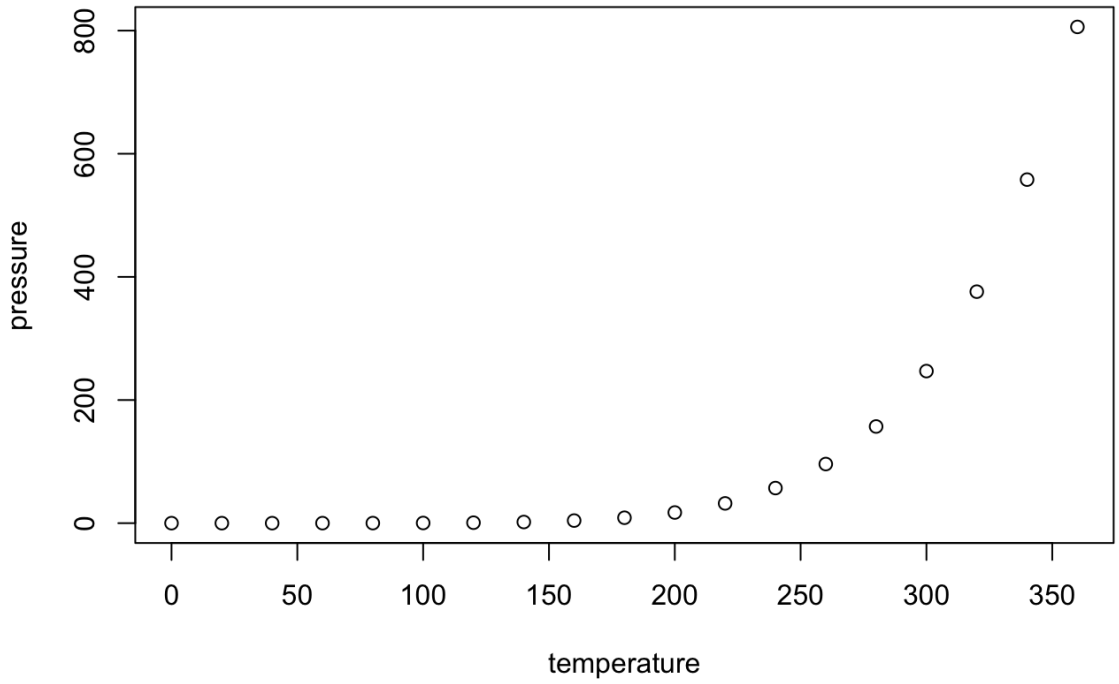
When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
summary(cars)
```

```
##      speed           dist
##  Min.   : 4.0   Min.   :  2.00
##  1st Qu.:12.0   1st Qu.: 26.00
##  Median :15.0   Median : 36.00
##  Mean   :15.4   Mean   : 42.98
##  3rd Qu.:19.0   3rd Qu.: 56.00
##  Max.   :25.0   Max.   :120.00
```

Including Plots

You can also embed plots, for example:



Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.

Part 2 - Interactive part

Loading libraries:

```
library(DT)
library(ggplot2)
library(xfun)
```

Analysis

`Vestibulum` imperdiet[1], ex vel sodales facilisis, nibh tellus imperdiet massa, sit amet scelerisque orci velit vel tellus. Ut consequat justo tincidunt porttitor varius. Suspendisse erat ipsum, feugiat vitae rhoncus non, molestie ac purus. Morbi aliquet, elit eget blandit suscipit, est lacus facilisis turpis, nec fermentum nunc felis et lorem.

A nice table example:

```
DT::datatable(mtcars, options = list(pageLength = 3))
```

Show 3 entries Search:

	mpg	cyl	disp	hp	drat	wt	qsec	vs	am	gear	carb
Mazda RX4	21	6	160	110	3.9	2.62	16.46	0	1	4	4
Mazda RX4 Wag	21	6	160	110	3.9	2.875	17.02	0	1	4	4
Datsun 710	22.8	4	108	93	3.85	2.32	18.61	1	1	4	1

Showing 1 to 3 of 32 entries Previous 1 2 3 4 5 ... 11 Next

Sub analysis

Suspendisse potenti

We can have math formulas inline like this: $E = mc^2$ or make them span an entire line like this:

$$f = \frac{a}{b + c}$$

Create a horizontal line using markdown syntax (https://commonmark.org/help/):

Cras pulvinar ligula ac nisi porttitor, volutpat congue orci tincidunt. Pellentesque non mi congue, porta enim eget, venenatis sem. Integer suscipit vulputate tellus, eget commodo dolor gravida vel. Suspendisse gravida gravida ligula, in interdum sapien molestie ut.

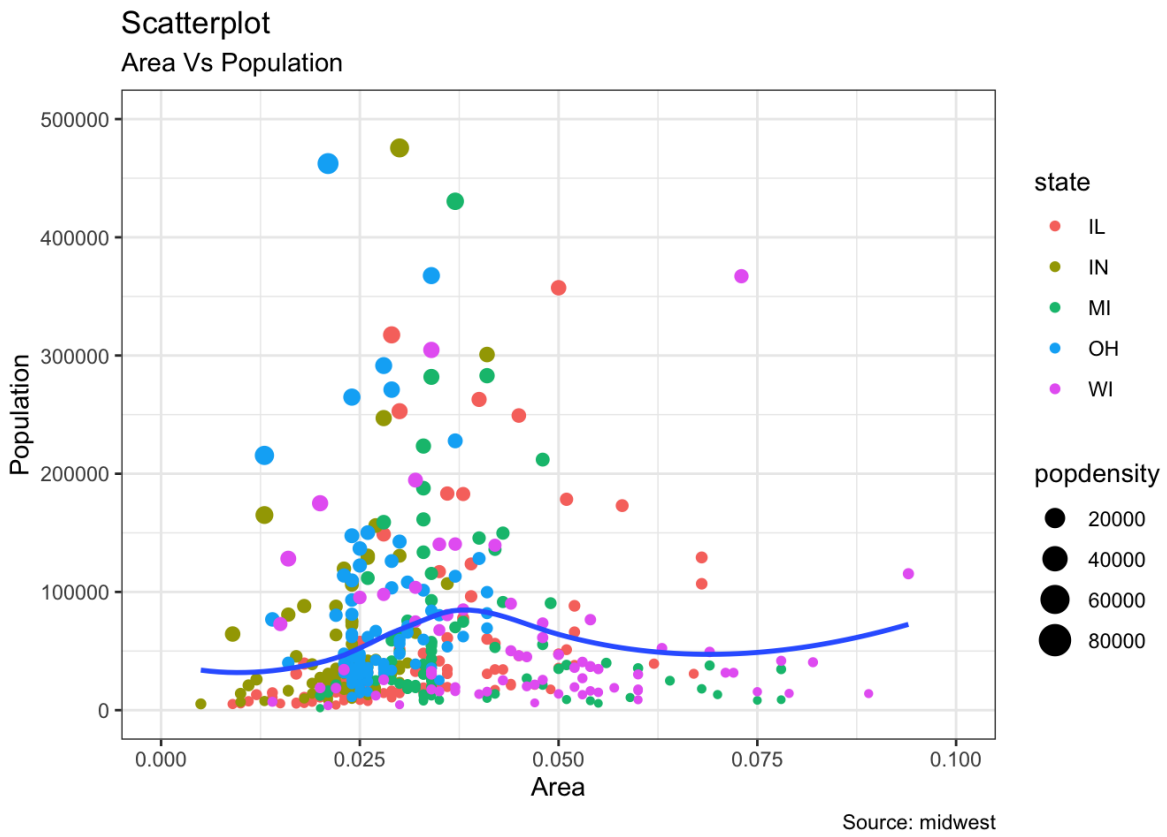
In ut vehicula risus. Refer to the table above!

```
options(scipen=999)  # turn-off scientific notation like 1e+48
theme_set(theme_bw())  # pre-set the bw theme.
data("midwest", package = "ggplot2")
# midwest <- read.csv("http://goo.gl/G1K41K")  # bkup data source

# Scatterplot
gg = ggplot(midwest, aes(x=area, y=poptotal)) +
  geom_point(aes(col=state, size=popdensity)) +
  geom_smooth(method="loess", se=F) +
  xlim(c(0, 0.1)) +
  ylim(c(0, 500000)) +
  labs(subtitle="Area Vs Population",
       y="Population",
       x="Area",
       title="Scatterplot",
       caption = "Source: midwest")

plot(gg)
```

```
## `geom_smooth()` using formula 'y ~ x'
```



Remember equation 1!

Conclusion

Wrapping it up!

- *Cras tincidunt* felis venenatis pretium iaculis[2].
- Curabitur in **tortor at tellus** fermentum elementum vel quis sem.
- That sums it up!

Be careful, be gentle, be brave! And remember the above box!

A tip!

A note!

I have something **important** to say here!

An orange box!!!

R session info

```
xfun::session_info()
```

```
R version 3.6.3 (2020-02-29)
Platform: x86_64-apple-darwin15.6.0 (64-bit)
Running under: macOS Catalina 10.15.4

Locale: sv_SE.UTF-8 / sv_SE.UTF-8 / sv_SE.UTF-8 / C / sv_SE.UTF-8 / sv_S
E.UTF-8

Package version:
  AsioHeaders_1.12.2.1 assertthat_0.2.1     backports_1.1.7
  base64enc_0.1.3      BH_1.72.0.3          bookdown_0.19
  callr_3.4.3          cli_2.0.2            colorspace_1.4-1
  compiler_3.6.3       crayon_1.3.4         crosstalk_1.1.0.1
  desc_1.2.0           digest_0.6.25        dplyr_0.8.5
  DT_0.13              ellipsis_0.3.1       evaluate_0.14
  fansi_0.4.1          farver_2.0.3         ggplot2_3.3.0
  glue_1.4.1           graphics_3.6.3       grDevices_3.6.3
  grid_3.6.3           gtable_0.3.0         highr_0.8
  htmltools_0.4.0      htmlwidgets_1.5.1    httpuv_1.5.2
  isoband_0.2.1        jsonlite_1.6.1       knitr_1.28
  labeling_0.3         later_1.0.0          lattice_0.20-38
  lazyeval_0.2.2       lifecycle_0.2.0      magrittr_1.5
  markdown_1.1         MASS_7.3.51.5        Matrix_1.2-18
  methods_3.6.3        mgcv_1.8-31          mime_0.9
  munsell_0.5.0        nlme_3.1-144         pagedown_0.10.1
  pillar_1.4.4         pkgbuild_1.0.8       pkgconfig_2.0.3
  pkgload_1.0.2        plogr_0.2.0          praise_1.0.0
  prettyunits_1.1.1    processx_3.4.2       promises_1.1.0
  ps_1.3.3             purrr_0.3.4          R6_2.4.1
  RColorBrewer_1.1.2   Rcpp_1.0.4.6         rlang_0.4.6
  rmarkdown_2.1        rprojroot_1.3.2      rstudioapi_0.11
  scales_1.1.0         servr_0.16           splines_3.6.3
  stats_3.6.3          stringi_1.4.6        stringr_1.4.0
  testthat_2.3.2       tibble_3.0.1         tidyselect_1.0.0
  tinytex_0.23         tools_3.6.3          utf8_1.1.4
  utils_3.6.3          vctrs_0.3.0          viridisLite_0.3.0
  websocket_1.1.0      withr_2.2.0          xfun_0.14
  yaml_2.2.1
```

References

1. Nullam quis sem nunc↩

2. In eget eros sit amet leo feugiat consequat↩