rmarkdownexample

Dasha

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R Markdown

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.

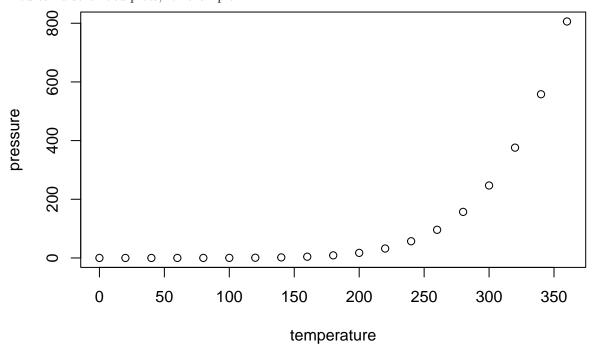
When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

summary(cars)

```
##
                          dist
        speed
           : 4.0
##
    Min.
                    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
            :25.0
    Max.
                    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.

- 1. To start using R Markdown create a new .Rmd file: File New File R Markdown
- 2. If you chose the PDF format, install latex:

```
install.packages('tinytex')
tinytex::install_tinytex() # install TinyTeX
```

- 3. Three parts of the file:
- a YAML-header
- text written using Markdown
- chunks of code

2+2

[1] 4

For chunks you can specify some parameters:

- echo: if you want to display the code
- message and warning
- $\bullet\,$ eval: if you want to execute the code

Put this at the beginning of the document if you want to specify parameters for all the chunks:

```
knitr::opts_chunk$set(echo = TRUE, message = FALSE, warning = FALSE)
```

- 4. Help Markdown Quick Reference
- 5. Handout on Markdown
- 6. Plots

library(tidyverse)

```
## -- Attaching packages ------- tidyverse 1.3.1 --
## v ggplot2 3.3.5  v purrr  0.3.4
## v tibble 3.1.4  v dplyr  1.0.7
## v tidyr  1.1.3  v stringr 1.4.0
## v readr  2.0.1  v forcats 0.5.1

## -- Conflicts ------- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag() masks stats::lag()
```

```
## New names:
## * '' -> ...1
## Rows: 734 Columns: 11
## -- Column specification -------
## Delimiter: ","
## chr (8): name, Gender, Eye color, Race, Hair color, Publisher, Skin color, A...
## dbl (3): ...1, Height, Weight
## i Use 'spec()' to retrieve the full column specification for this data.
## i Specify the column types or set 'show_col_types = FALSE' to quiet this message.
height_weight_gg <- heroes %>%
 mutate(Publisher = ifelse(Publisher %in% c("Marvel Comics", "DC Comics"),
                          Publisher,
                          "Other publishers")) %>%
 filter(Weight < 700 & Height < 400) %>%
 ggplot(aes(x = Height, y = Weight)) +
 geom_point(aes(colour = Gender), alpha = 0.5) +
 coord_fixed() +
 facet_wrap(~Publisher)+
 theme_minimal()
```

Warning: One or more parsing issues, see 'problems()' for details

height_weight_gg

