

iris_data_set_vm4 vx.y

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Contents

Libraries used	1
Load data and create plot object	2
Plot iris data	3
External parameters used	3
Session Info	3
References	5
References	5

Libraries used

```
library(ggplot2)
library(ggthemes)
```

Table 1: first 10 observations of iris data set

Sepal.Length	Sepal.Width	Petal.Length	Petal.Width	Species
5.1	3.5	1.4	0.2	setosa
4.9	3.0	1.4	0.2	setosa
4.7	3.2	1.3	0.2	setosa
4.6	3.1	1.5	0.2	setosa
5.0	3.6	1.4	0.2	setosa
5.4	3.9	1.7	0.4	setosa
4.6	3.4	1.4	0.3	setosa
5.0	3.4	1.5	0.2	setosa
4.4	2.9	1.4	0.2	setosa
4.9	3.1	1.5	0.1	setosa

Load data and create plot object

Before plotting the iris data set (in in Figure 1 on page 4) we list the first 10 (because we set variable *numlist* to 10 in a chunk we do not present to the reader) observations in the data set in in Table 1 on page 2.

As an example of a reference we use (Hopkins 2007). You can also include a reference in an inline footnote as demonstrated here¹.

NB. using the \LaTeX `\footnote`-command does not give the correct layout.

```
data(iris)
kable(iris[1:numlist,],row.names=F, caption=def_tab('lbltab1',tabcap1),
      format='latex', longtable=F)
```

```
cat(paste(' #produced',ref_tab('lbltab1',T)))
```

#produced in Table 1 on page 2

¹This footnote references (Verstappen 2008) and (Adams 1993).

Table 2: External parameters used

parameter	value
doc_version	x.y
altplot	FALSE

```
p <- ggplot(iris, aes(Sepal.Length, Sepal.Width, colour = Species))+  
  geom_point()
```

Plot iris data

We plot the iris data with package *ggplot2* in Figure 1 on page 4.

Because parameter *altplot* was set to FALSE (in a chunk we do not present to the reader) two plots with a different theme are not printed.

```
p +  
  labs(title = 'default theme')  
cat(paste(' #produced',ref_tab('r1a','F')))
```

#produced in Figure 1 on page 4

External parameters used

The external parameters used can be found in in Table 2 on page 3 .

Session Info

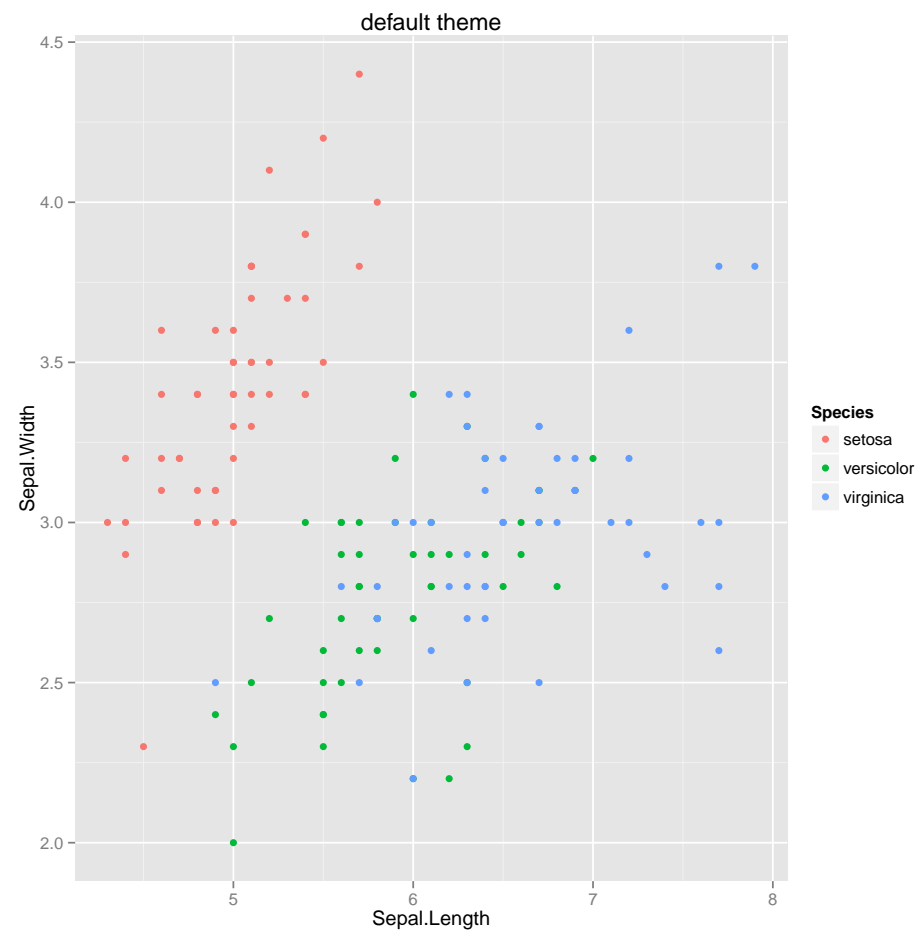


Figure 1: default theme

```
sessionInfo()
```

```
## R version 3.2.0 (2015-04-16)
## Platform: x86_64-w64-mingw32/x64 (64-bit)
## Running under: Windows 8 x64 (build 9200)
##
## locale:
## [1] LC_COLLATE=English_United States.1252 LC_CTYPE=English_United States.1252
## [3] LC_MONETARY=English_United States.1252 LC_NUMERIC=C
## [5] LC_TIME=English_United States.1252
##
## attached base packages:
## [1] stats      graphics  grDevices  utils      datasets  methods   base
##
## other attached packages:
## [1] ggthemes_2.2.1 ggplot2_1.0.1 knitr_1.11.18
##
## loaded via a namespace (and not attached):
## [1] Rcpp_0.11.6      digest_0.6.8     MASS_7.3-45      grid_3.2.0       plyr_1.8.3
## [6] gtable_0.1.2     formatR_1.2.1    magrittr_1.5      scales_0.2.5     evaluate_0.8
## [11] stringi_1.0-1    reshape2_1.4.1   rmarkdown_0.8.1   labeling_0.3     proto_0.3-10
## [16] tools_3.2.0      stringr_1.0.0    munsell_0.4.2     yaml_2.1.13      colorspace_1.2-6
## [21] htmltools_0.2.6
```

References

Adams, Peter. 1993. "The Title of the Work." *The Name of the Journal* 4 (2): 201–13.

Hopkins, John. 2007. "John's Article."

Verstappen, Max. 2008. "Racing for Beginners."