

RStudio interface showing the R console and source editor. The source editor displays R code for generating plots and data distributions. The console shows the output of the code, including the path to the generated plot file.

```
183 plot
184 ...
185
186 ## Other distributions examples
187 There are other distributions that the normal distribution.
188 ```{r}
189 distributions <- data.frame(std.normal=rnorm(10000, m=0, sd=1),
190                             wide.normal=rnorm(10000, m=0, sd=2),
191                             exponent=rexp(10000, rate=2),
192                             uniform=runif(10000, min=-3, max=3)
193                             )
194
195 ...
196
197
198 ## Other distributions
199 The plots depict two additional distributions. Can you think of one or two
other distributions, not included?
```

```
~/uu_r_course/
+   between=1.5,
+   colour="black", fill="white") +
+   geom_density(alpha=.2, fill="darkgreen") + xlab("Minutes") +
+   ggtitle("Waiting time between eruptions")
> plot_faithful
> knitr::include_graphics("images/r4ds.png")
[1] "images/r4ds.png"
attr(,"class")
[1] "knit_image_paths" "knit_asis"
> knitr::include_graphics(paste0(root, "/images/r4ds.png"))
[1] "/home/marc/uu_r_course/images/r4ds.png"
attr(,"class")
[1] "knit_image_paths" "knit_asis"
> ditributions
```

RStudio interface showing the Environment pane and the Files pane. The Environment pane displays the current state of the R session, including variables and functions. The Files pane shows the file structure of the project.

Environment

Variable	Value
Global Environment	
iv1	num [1:11] 1 2 3 4 5 6 7 8 8 9 ...
iv2	int [1:6] -1 -4 3 -5 7 66
maxy	8.09258729051335
my_variable	10
plot	List of 9
plot_exp	List of 9
plot_faithful	List of 9
plot_uniform	List of 9
root	"/home/marc/uu_r_course"
x	num [1:100] -0.25 -0.245 -0.24 -0.235 -0.23 ...

Functions

Function	Definition
circos.dendrogram	function (dend, maxy)
f	function (x = NULL, return_rgb = FALSE, max_value = ...)

Files

Name	Size	Modified
...		
day_1_0_course_overview.Rpres	3.4 KB	Feb 19, 2017, 10:08 AM
day_1_1_introduction_getting_started.Rmd	49.8 KB	Feb 19, 2017, 9:49 AM
day_1_2_installing_packages.Rmd	8.1 KB	Feb 19, 2017, 10:22 AM
day_1_3_why_r.Rpres	5.9 KB	Feb 19, 2017, 10:10 AM
day_1_4_visualizations.html	2.7 MB	Feb 19, 2017, 12:03 PM
day_1_4_visualizations.Rmd	23.3 KB	Feb 19, 2017, 12:03 PM
day_2_00_workflow-basics.Rmd	5.6 KB	Feb 19, 2017, 10:33 AM
day_2_0_vectors.Rmd	25.4 KB	Feb 19, 2017, 10:30 AM
day_2_1_data_objects.md	7.9 KB	Feb 19, 2017, 11:06 AM
day_2_1_data_objects.Rpres	6.6 KB	Feb 19, 2017, 11:06 AM
day_2_2_select_order_data_frames.Rpres	3.9 KB	Jan 20, 2017, 3:51 PM
day_2_3_introduction_dplyr.Rmd	16.6 KB	Feb 19, 2017, 10:28 AM
day_2_4_tibble.Rmd	6.9 KB	Feb 19, 2017, 10:29 AM