



introduction

start your programming journey in 1 hour



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Berry Boessenkool, June 2018

berry-b@gmx.de

github.com/brry/hour

Presentation template generated with `berryFunctions::createPres`

```
print("Hello world!")
```

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- ▶ If we're proceeding too fast, please interrupt!



Integrated Development Environment (IDE): RStudio

The screenshot shows the RStudio IDE with the following components:

- Scripts (shareable .R files):** The top-left pane displays R code for reading a shapefile and plotting it. The code includes comments and function calls like `raster::shapefile`, `sp::spTransform`, and `sp::plot`.
- Graphical output and more:** The bottom-right pane shows a scatter plot of `sort(as.Date(first))` versus `Index`. The plot displays data points for the years 1850, 1900, and 1950.
- The console to the actual R:** The bottom-left pane shows the R console output, including the execution of `map`, `statlocsp`, `first`, `plot`, `range`, and `plot` functions, resulting in a range of dates: `[1] "1823-10-31" "1972-11-01"`.

Get started in R

Get started in R

Exercise 1: R is an awesome calculator

In the console, calculate $21+21$, $7*6$ and $\frac{0.3}{4} * \sqrt{313600}$

If you don't know how to compute a square root in R, you can google it!

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- objects: assign with `<-` Rstudio Keyboard shortcut: **ALT + -**
`nstudents <- 15`
`nstudents`
`nstudents > 12`

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- ▶ scripts: Rstudio

Frametitle

Frametitle

► ItemOne

Frametitle

- ▶ ItemOne
- ▶ ItemTwo

Frametitle

- ▶ ItemOne
- ▶ ItemTwo

SomeMore

Frametitle

- ▶ ItemOne
- ▶ ItemTwo

SomeMore

NoCodeNoFragile

R package `rdwd` — > easy usage of weather datasets

Conclusions

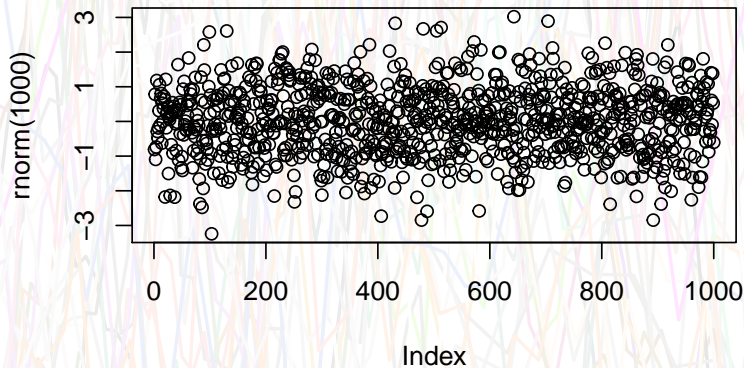
► ItemOne

Conclusions

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- ▶ ItemTwo

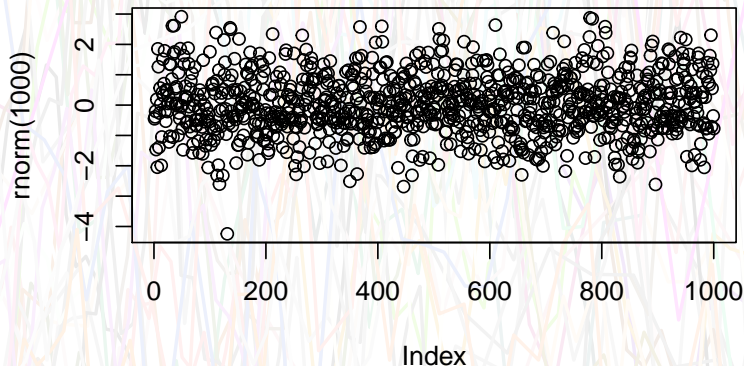
Frametitle2

```
plot(rnorm(1000))
```



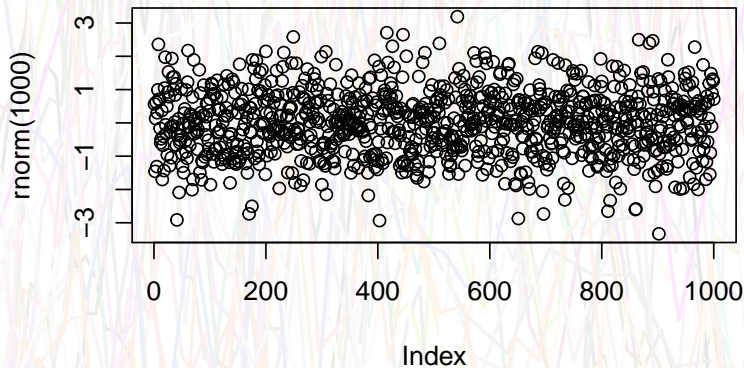
Frametitle3

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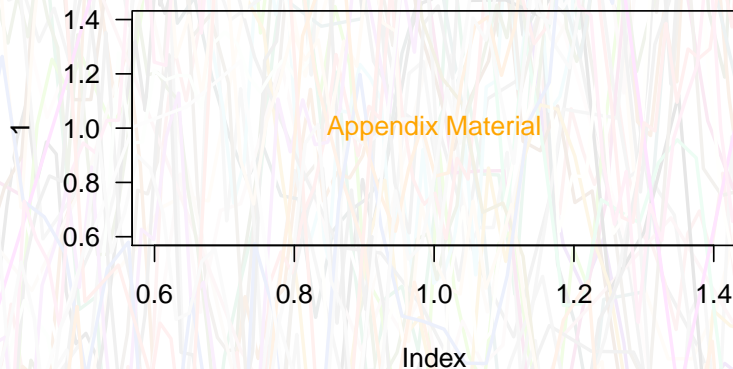


Frametitle4

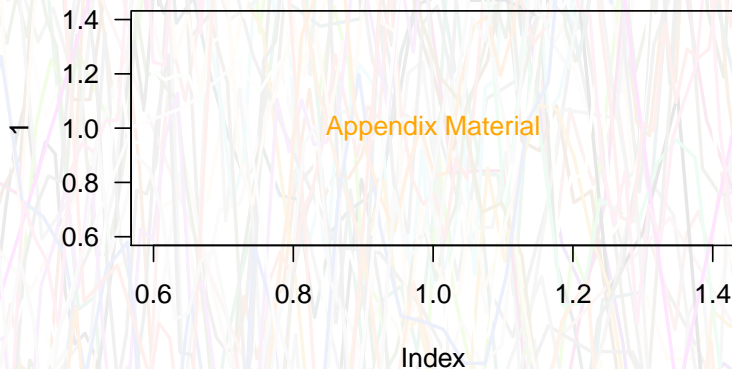
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AppendixTitle



AppendixTitle



Works with pause