Applikationen erstellen mit Shiny

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Das `shiny` Paket installieren

```
install.packages("shiny")
```

Figure 1:

Wer hat's erfunden?

```
citation("shiny")
```

```
##
## To cite package 'shiny' in publications use:
##
##   Winston Chang, Joe Cheng, JJ Allaire, Yihui Xie and Jonathan
##   McPherson (2017). shiny: Web Application Framework for R. R
##   package version 1.0.0. https://CRAN.R-project.org/package=shiny
##
## A BibTeX entry for LaTeX users is
##
##   @Manual{,
##     title = {shiny: Web Application Framework for R},
##     author = {Winston Chang and Joe Cheng and JJ Allaire and Yihui Xie and Jonathan McPherson},
##     year = {2017},
##     note = {R package version 1.0.0},
##     url = {https://CRAN.R-project.org/package=shiny},
##   }
```

Eine erste Beispielapp

```
library(shiny)
runExample("01_hello")
```

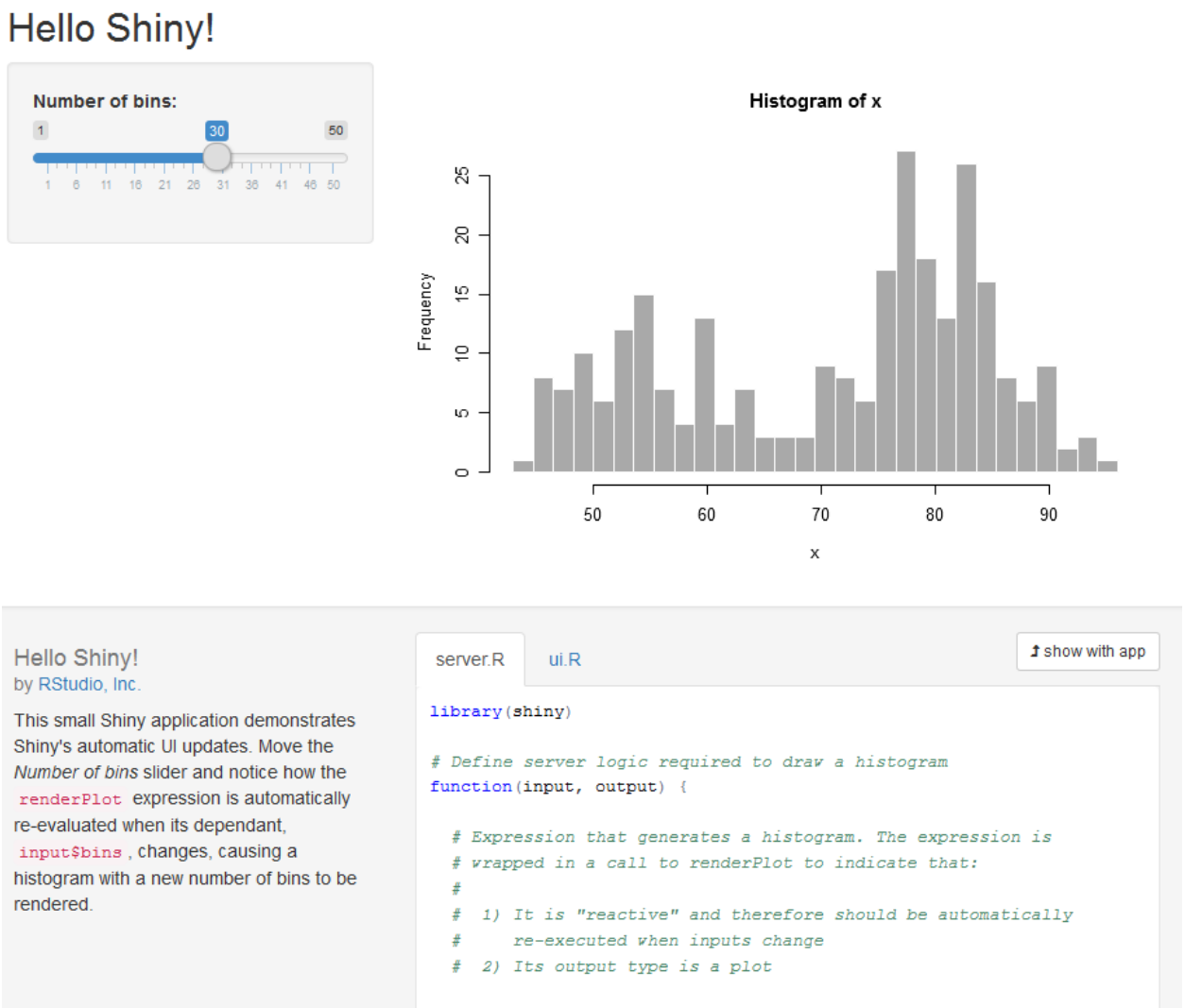

Figure 2:

Der Start

Dem Kind einen Namen geben

Die erste App

- man muss den Run App Button drücken
- Das Ergebnis:

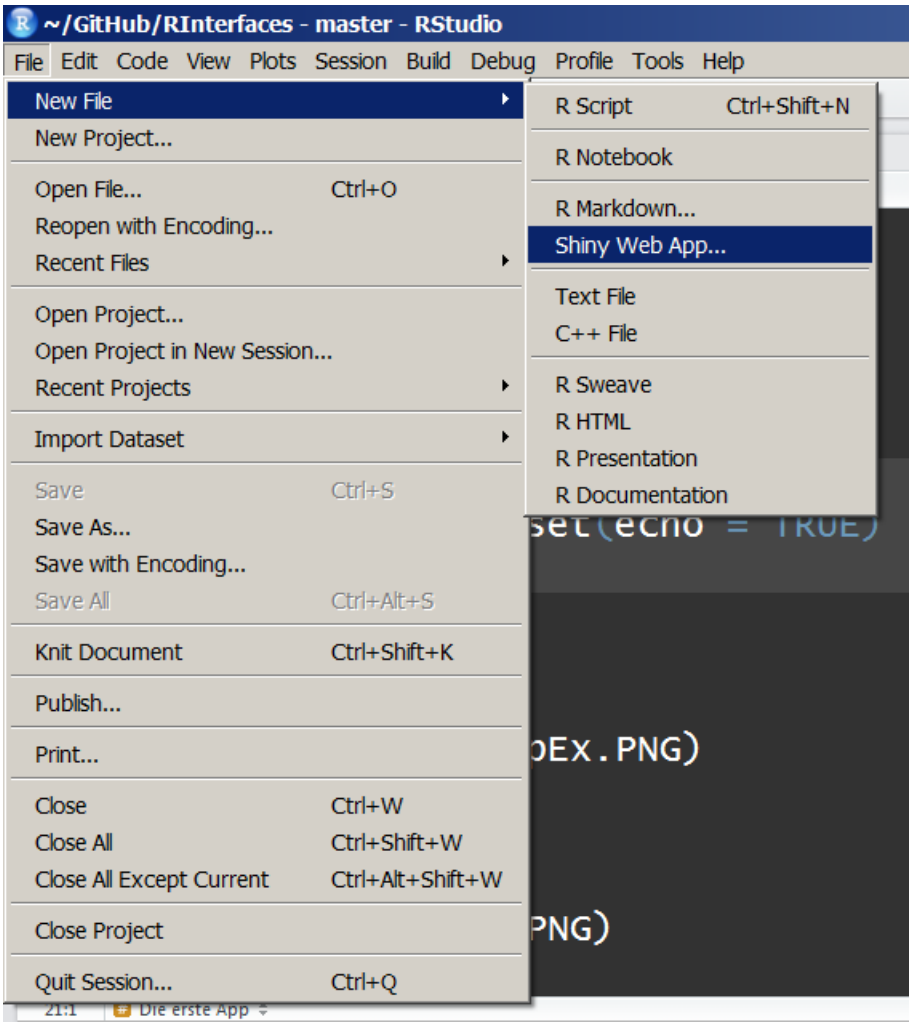

Figure 3:

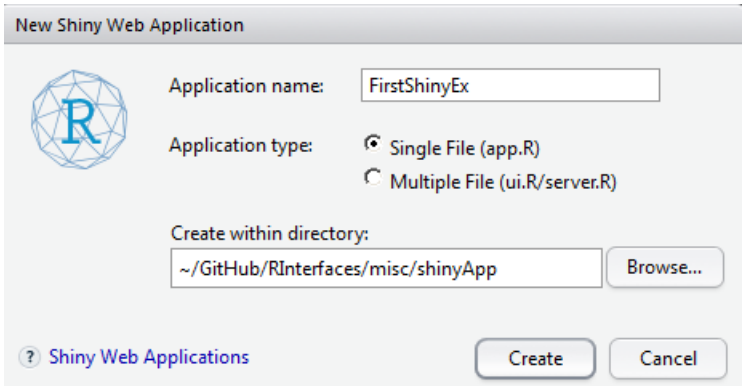

Figure 4:

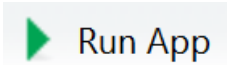

Figure 5:

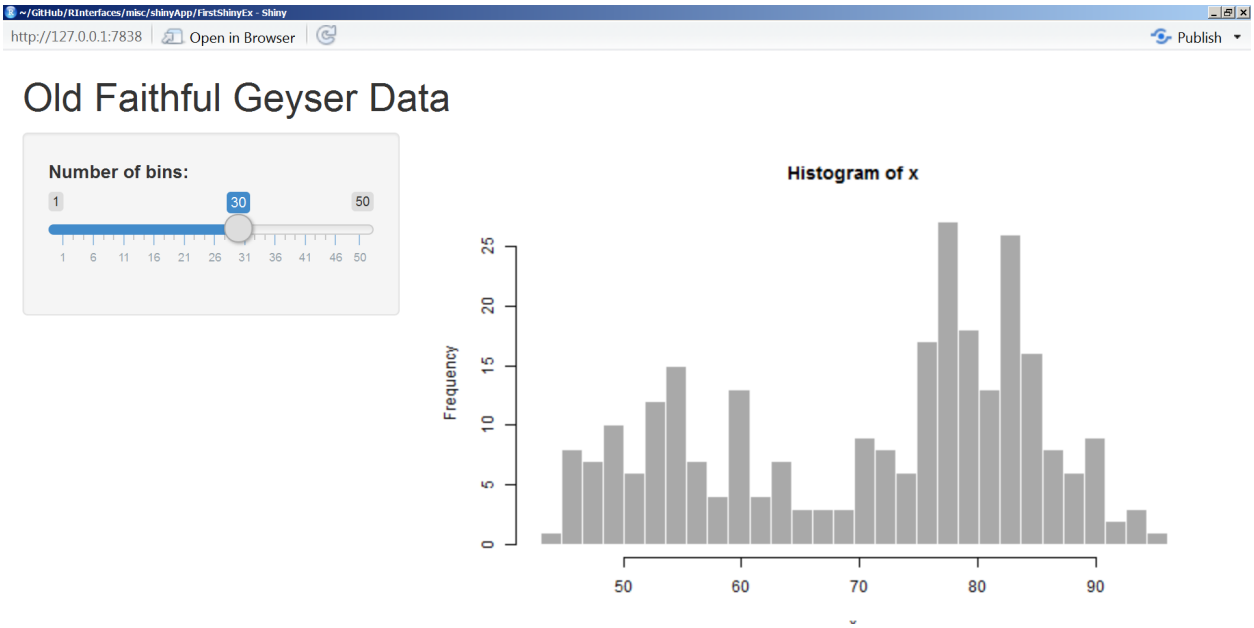

Figure 6:

Zur Erklärung

- Zumeist arbeitet man mit mindestens zwei Dateien
- Das user interface wird mit einer Datei erzeugt werden, die `ui.R` genannt werden muss
- Für die Server Seite brauchen wir auch ein eigenes File, dieses bennenen wir mit `server.R`

Eine zweite Beispiel App

```
library(shiny)
runExample("02_text")
```

Einführung in Shiny

Links

- Eine Dashboard App erzeugen

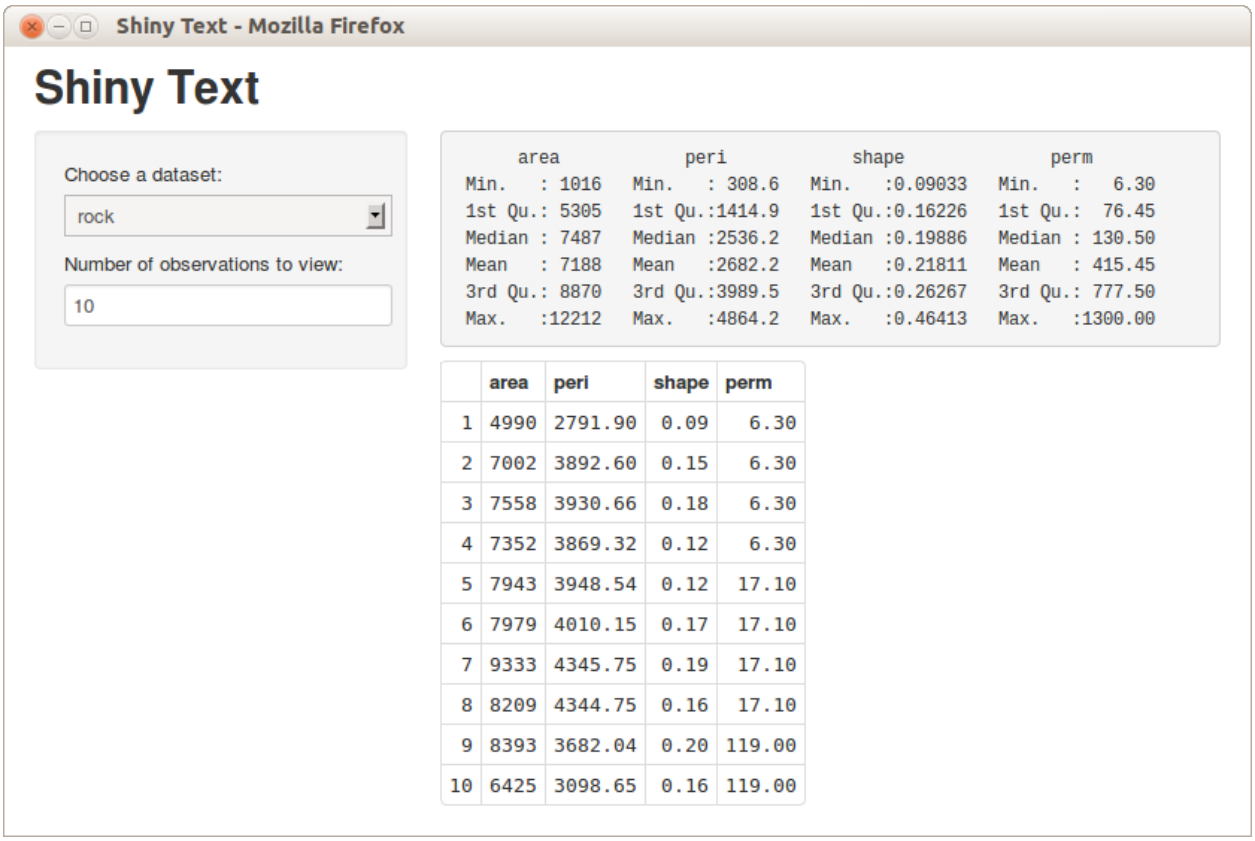

Figure 7:

Teach yourself Shiny

The How to Start Shiny video series will take you from R programmer to Shiny developer. Watch the complete tutorial here, or jump to a specific chapter by clicking a link below. The entire tutorial is two hours and 25 minutes long.

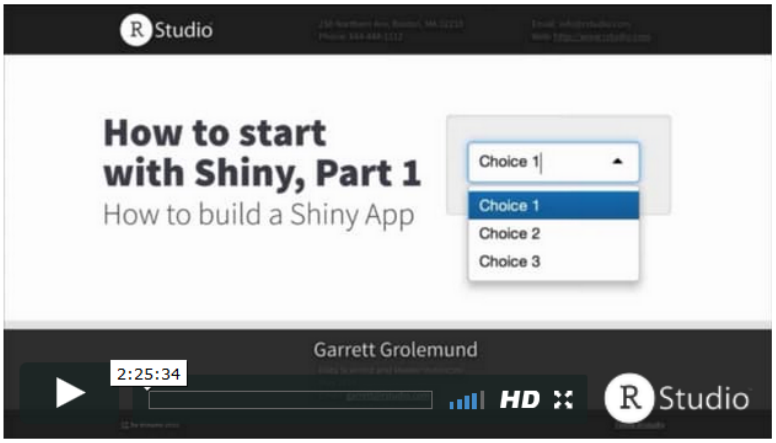

Figure 8: