Übung 2

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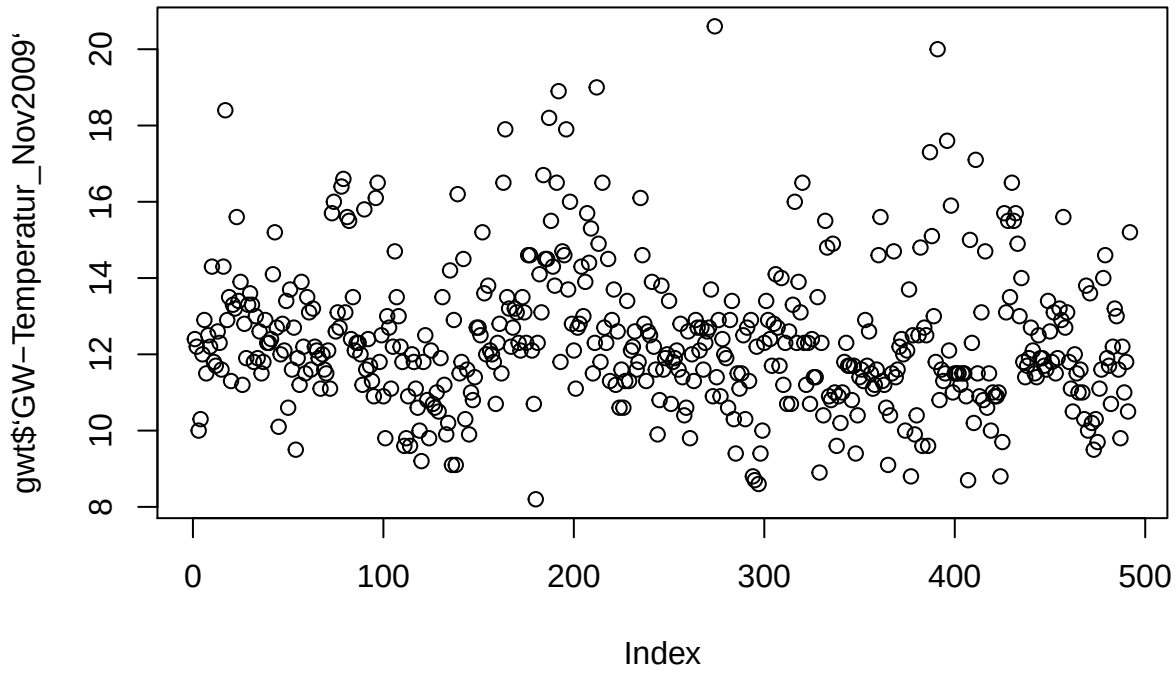
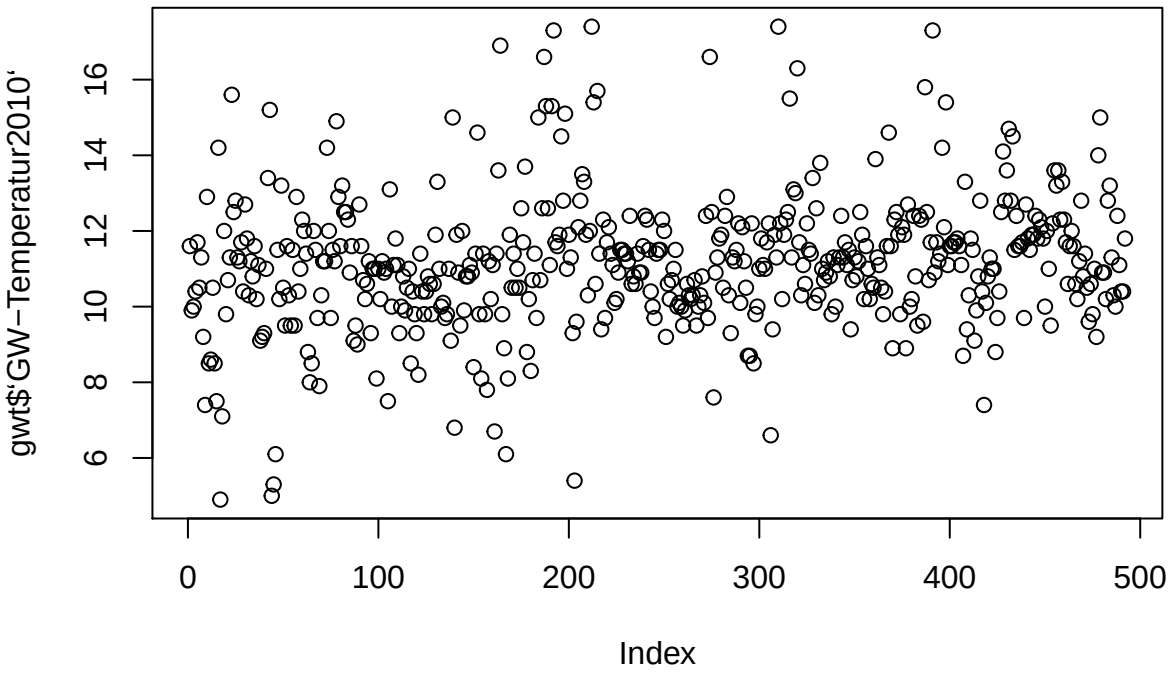
1. run io.R
2. import Data and do data wrangeling / clean up in external R.script
3. save cleaned data as RData file `cleandata.RData`
4. analyize and compute data here in RMD-chunks




```
##      Min.  1st Qu.   Median     Mean  3rd Qu.     Max.
##      0.00     0.01    18.43   525.30   317.40 10250.00
```

```
# Do cool stuff with your imported data
plot(gwt$`GW-Temperatur2010`)
```

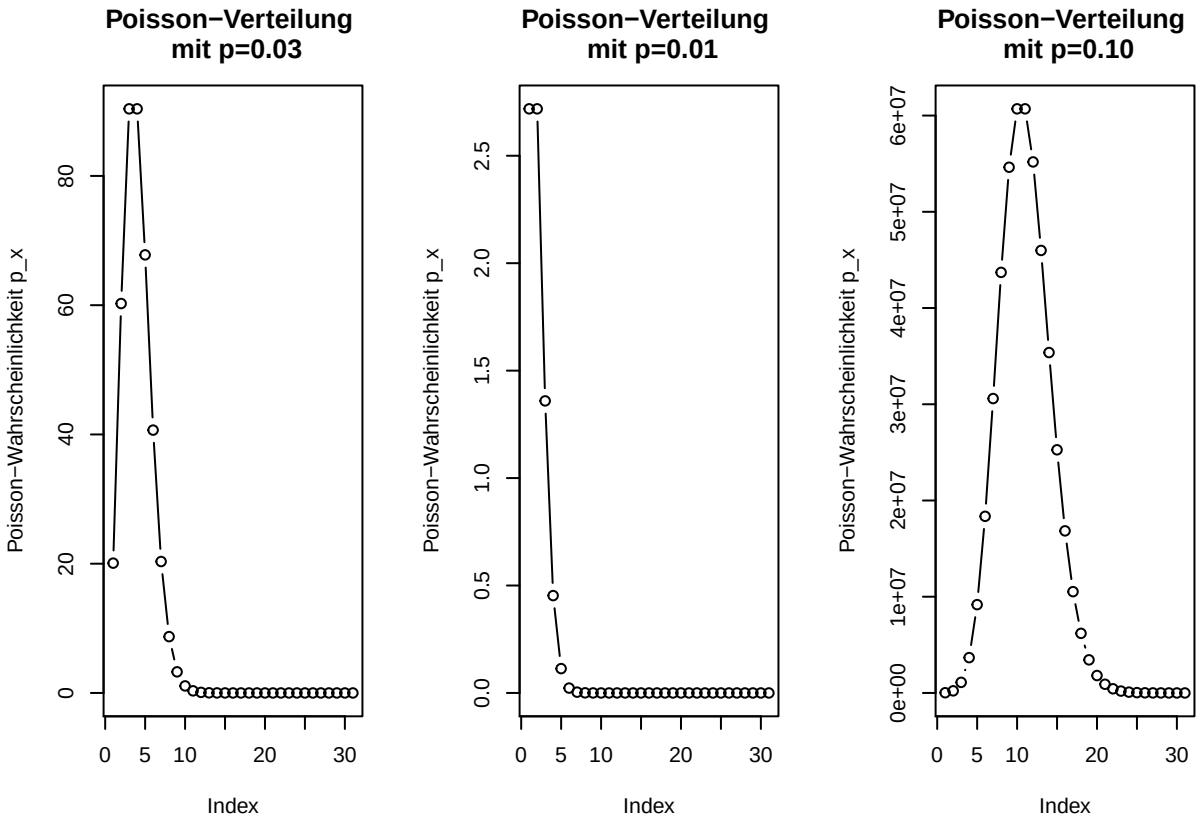

gwt$`GW−Temperatur2010`
6
8
10
12
14
16
0
100
200
300
400
500
Index

```r
n = 100
p = 0.03
x = seq(0,30)
par(mfrow=c(1,3)) # Plot 3 figures, side by side

lambda_003 = n*p
p_x = (lambda_003^(x)/factorial(x))*exp(lambda_003)
plot(p_x, type='b',ylab='Poisson-Wahrscheinlichkeit p_x',main='Poisson-Verteilung \n mit p=0.03')

lambda_001 = n*0.01
p_x = (lambda_001^(x)/factorial(x))*exp(lambda_001)
plot(p_x, type='b',ylab='Poisson-Wahrscheinlichkeit p_x', main='Poisson-Verteilung \n mit p=0.01')

lambda_010 = n*0.1
p_x = (lambda_010^(x)/factorial(x))*exp(lambda_010)
plot(p_x, type='b',ylab='Poisson-Wahrscheinlichkeit p_x',main='Poisson-Verteilung \n mit p=0.10')
```



Anmerkungen und Shortcuts —

- Check Spelling `F7`
- Replace and Find `Command+Shift+J`
- Compile PDF/HTML with `CMD-SHIFT-K`