

# texessai

st.

2023-01-04

this script works, packages included in yaml header

TODO not working: figure captions, inclusion of external .tex configuration, html output - MIND: restore githistory commented “wks.” for working output configurations

```
knitr::opts_chunk$set(echo = TRUE)
options(tinytex.verbose = TRUE, engine="lualatex")
```

```
library(tinytex)
```

```
## Warning: package 'tinytex' was built under R version 4.1.2
```

```
#library(knitr)
```

```
library(tikzDevice)
```

```
check_installed("forest")
```

```
## [1] TRUE
```

```
check_installed("tikz")
```

```
## [1] FALSE
```

```
#tinytex::install_tinytex(bundle = 'TinyTeX-2')
```

```
#library(pandoc)
```

```
library(rmarkdown)
```

```
## Warning: package 'rmarkdown' was built under R version 4.1.2
```

```
#latex_dependency("forest")
```

```
#latex_dependency_tikz("tikzpicture")
```

```
#pandoc_include_args("--template='calibration.tex'")
```

```
#tinytex::tlmgr()
```

```
#tinytex::tlmgr("install forest")
```

```
#tinytex::tlmgr("install tikz")
```

```
# tlmgr pinning add pgf-development "*"
```

```
# $ tlmgr update --self --all
```

```
# $ tlmgr install pgf --reinstall
```

```
# tinytex::tlmgr ("repository add http://pgf-tikz.github.io/pgf/tlnet pgf-development") #>>> NOT WORKING
```

```
#tinytex::tlmgr ("repository add https://ftp.rrzn.uni-hannover.de/pub/mirror/tex-archive/systems/texlive
```

```
# tinytex::tlmgr ('pinning add pgf-development "*"')
```

```
# tinytex::tlmgr ('update --self --all')
```

```
# tinytex::tlmgr ('install pgf --reinstall')
```

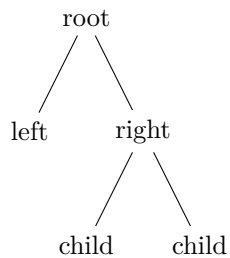
```
#tlmgr_search('/pdftex')
```

```
#tlmgr
```

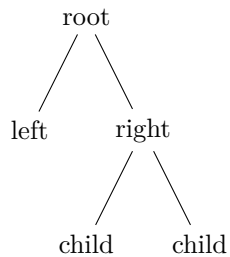
```
#tlmgr_install('calendar')
# tlmgr_update()
# tlmgr(c('info', '--list', '--only-installed', '--data', 'name'))

#pandoc_include_args(in_header = "calibration.tex")
#pandoc_latex_engine_args("lualatex")
#tinytex::lualatex()
#latexmk(engine = "l")
#getwd()
```

## baum fenced



## tree essai



```
# #td<-tempdir()
# td<-getwd()
# tf<-file.path(td, 'example.tex')
# oldwd<-getwd()
# setwd(td)
#
# tikz(tf,standAlone=T)
# plot(1)
# dev.off()
#
# tools::texi2dvi(tf,pdf=T)
# system(paste(getOption('pdfviewer'),file.path(td, 'example1.pdf')))
# setwd(oldwd)
```

*latex*    A    B  
          A    B

```
model <- lm(mpg~.,mtcars)
coef1 <- coef(model)[[1]]
coef2 <- coef(model)[[2]]
```

$$latex\hat{Y} = 12.3033742 + -0.1114405 \cdot Length$$

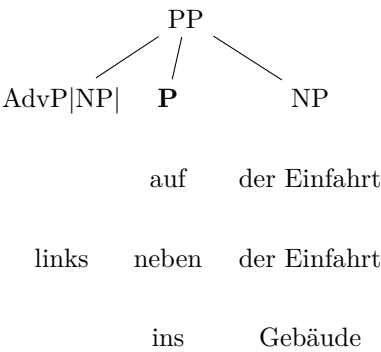
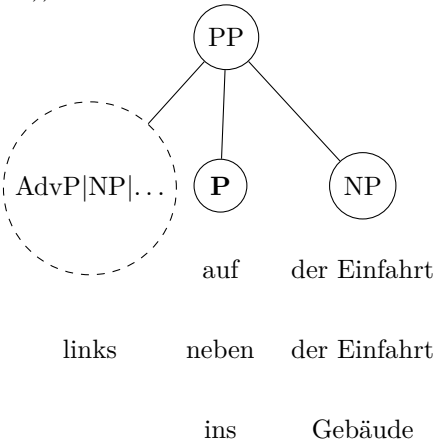


Figure 1: fenced lingforest

**Schema 1** (Präpositionalphrase (PP)).



**try where float**  
 before figure 2

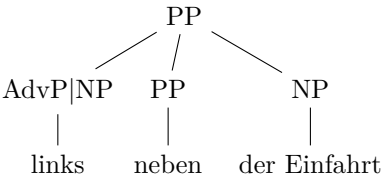


Figure 2: fenced forest

after figure 2

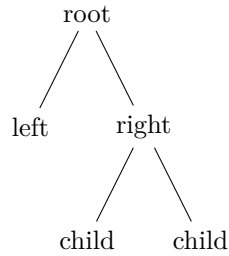


Figure 3: A picture

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another baum

baum fenced

## R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

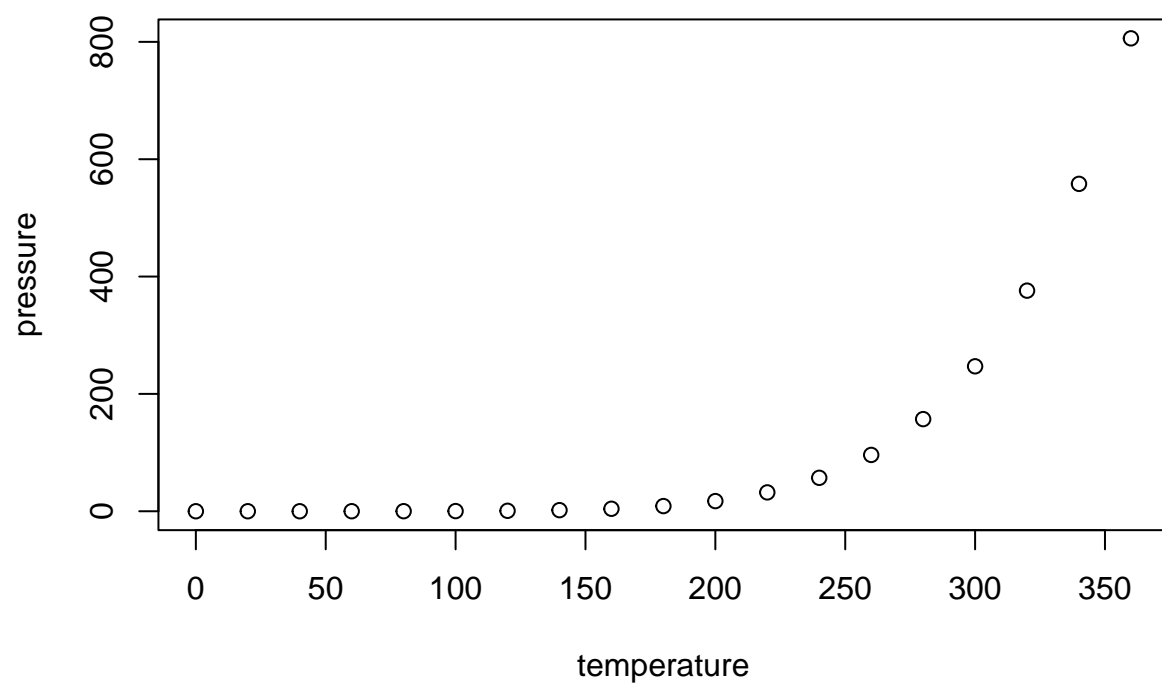
When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
summary(cars)
```

```
##      speed      dist
##  Min.   : 4.0    Min.   :  2.00
##  1st Qu.:12.0    1st Qu.: 26.00
##  Median :15.0    Median : 36.00
##  Mean   :15.4    Mean   : 42.98
##  3rd Qu.:19.0    3rd Qu.: 56.00
##  Max.   :25.0    Max.   :120.00
```

## Including Plots

You can also embed plots, for example:



Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.