

# Modul3

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## 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>.

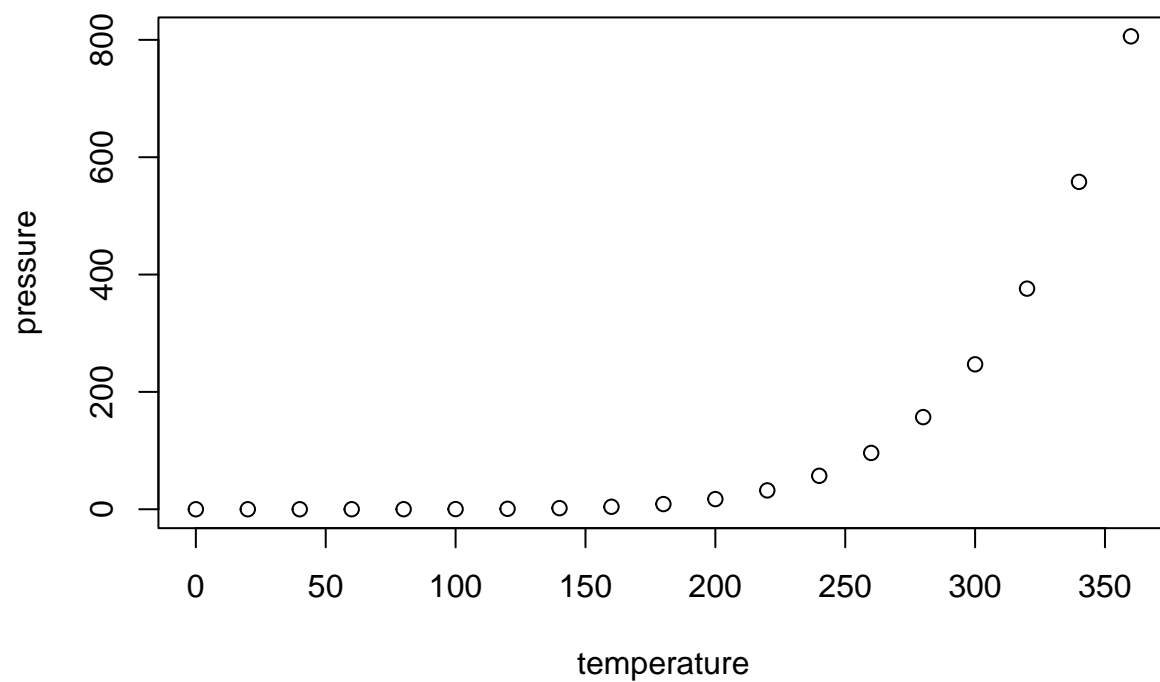
When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
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.

## Dasar Teori

```
a <- 2  
class(a)
```

## Data Frames

```
library(dslabs)  
data(murders)  
class(murders)  
str(murders)  
head(murders)  
murders$population  
names(murders)
```

## Vector: numeric, character, dan logical

```
length(murders$population)
```

```
class(murders$population)
```

```
class(murders$state)
```

```
z <- 3 == 2
```

```
z
```

```
class(z)
```

## **Factors**

```
class(murders$region)
```

```
levels(murders$region)
```

## **Matrics**

```
mat <- matrix(1:12, 4, 3)
```

```
mat
```

```
mat[2, 3]
```