Research report

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12 11 2020

Table of Contents

# Data

## Write

pressure

## temperature pressure  
## 1 0 0.0002  
## 2 20 0.0012  
## 3 40 0.0060  
## 4 60 0.0300  
## 5 80 0.0900  
## 6 100 0.2700  
## 7 120 0.7500  
## 8 140 1.8500  
## 9 160 4.2000  
## 10 180 8.8000  
## 11 200 17.3000  
## 12 220 32.1000  
## 13 240 57.0000  
## 14 260 96.0000  
## 15 280 157.0000  
## 16 300 247.0000  
## 17 320 376.0000  
## 18 340 558.0000  
## 19 360 806.0000

write.csv(x = pressure,   
 file = "Data/pressure\_data.csv")

The correlation between temperature and pressure is 0.7577923.

## Read

pressure\_data <-   
read.csv(file = "Data/pressure\_data.csv",  
 header = TRUE,   
 sep = ",",  
 dec = ".")  
pressure\_data

## X temperature pressure  
## 1 1 0 0.0002  
## 2 2 20 0.0012  
## 3 3 40 0.0060  
## 4 4 60 0.0300  
## 5 5 80 0.0900  
## 6 6 100 0.2700  
## 7 7 120 0.7500  
## 8 8 140 1.8500  
## 9 9 160 4.2000  
## 10 10 180 8.8000  
## 11 11 200 17.3000  
## 12 12 220 32.1000  
## 13 13 240 57.0000  
## 14 14 260 96.0000  
## 15 15 280 157.0000  
## 16 16 300 247.0000  
## 17 17 320 376.0000  
## 18 18 340 558.0000  
## 19 19 360 806.0000

getwd()

## [1] "C:/Users/hariskos/Documents/R/cereb2020"

# Heading 1

a <- 2  
b <- 3

The sum of 2 and 3 is 5.

## Heading 2

### Heading 3

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.