My first R Markdown

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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.This text is a part of text I added as Koffi.

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google

For the following section i will run the codes and keep the results in the document

It failed to successfully run Knit until I run tinytex::install_tinytex() to make it work!

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:

```r
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.

```r
#hello world. Just add two elements
add2 <- function(x,y){
  x+y
}
add2(3,5)
```

```
## [1] 8
```

```r
above <- function(x,n=10){
  use <- x > n
  x[use]
}
x = 1:20
above(x,14)
```

```
## [1] 15 16 17 18 19 20
```

```r
above(x)
```

```
##  [1] 11 12 13 14 15 16 17 18 19 20
```

```r
colmeans <- function(m,removeNa=TRUE){
  #get number of columns in the matrix
  nc <- ncol(m)
  #create an empty vectors
  means <- numeric(nc)
  for(i in 1:nc){
    means[i] = mean(m[,i],na.rm =removeNa)
  }
  means

}

#create the matrix
colmeans(airquality)
```

```
## [1]   42.129310 185.931507   9.957516  77.882353   6.993464  15.803922
```

```r
colmeans(airquality,FALSE)
```

```
## [1]         NA         NA  9.957516 77.882353  6.993464 15.803922
```

```r
#this will produce no error
f<-function(a,b){
  print (a)
}
f(3)
```

```
## [1] 3
```

```r
#this on the other hand will return error only only when tryin to print by

f<-function(a,b){
  print(a)

}
f(10)
```

```
## [1] 10
```