task.R

dribr

2022-01-28

```
a<-c(1,2,3)
b<-c(4,5,6)
c<-c(7,8,9)
m<-cbind(a,b,c)
print("Content of the said matrix:")
```

```
## [1] "Content of the said matrix:"
```

```
print(m)
```

```
##      a b c
## [1,] 1 4 7
## [2,] 2 5 8
## [3,] 3 6 9
```

```
plot(a, ylim=range(a, b, c), col='blue', xlab="x-axis", ylab="y axis",main="My Graph")
lines(b, col='red')
lines(c, col='green')

#2
employees = data.frame(Name=c("Kate","lisa","joe", "Emily","Dave"),
                       Age=c(23,22,25,26,32),
                       Role=c("Clerk","Manager","Exective","CEO","ASSISTANT"),
                       Experience=c("5 Years","9 Years","8 Years","3 Years","4 Years")
)
print("Details of the employees:")
```

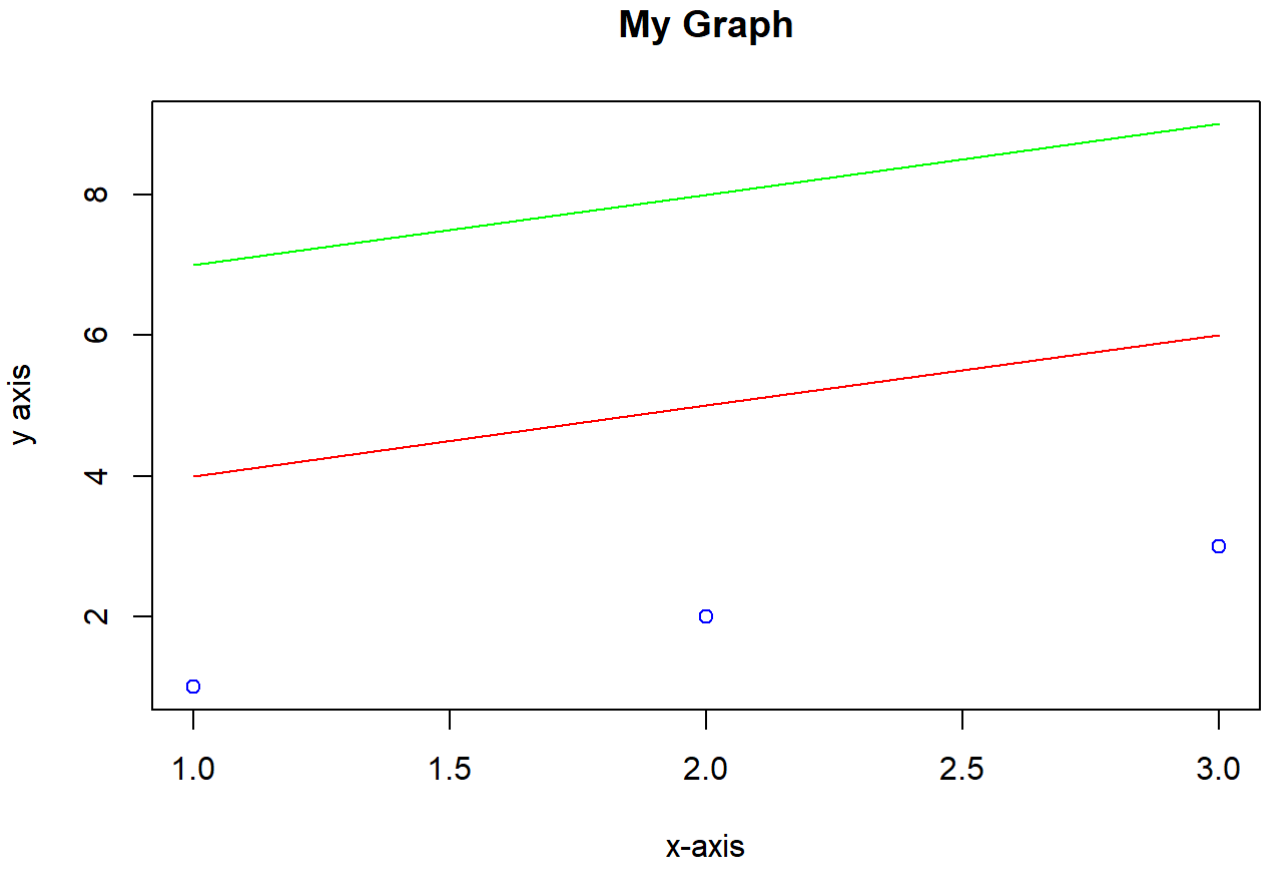
```
## [1] "Details of the employees:"
```

```
print(employees)
```

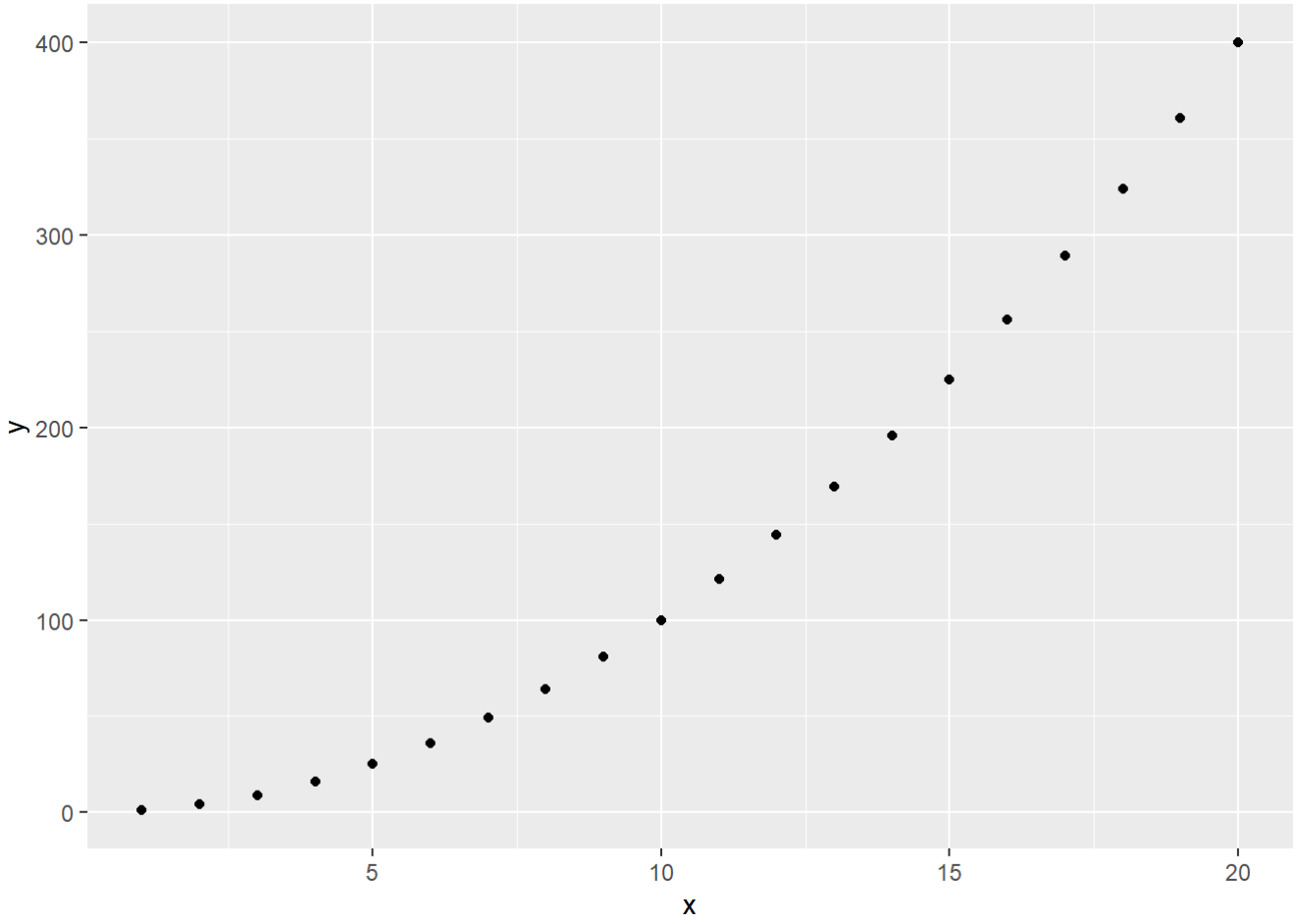
```
##    Name Age      Role Experience
## 1  Kate  23     Clerk    5 Years
## 2  lisa  22   Manager    9 Years
## 3   joe  25  Exective    8 Years
## 4 Emily  26       CEO    3 Years
## 5  Dave  32 ASSISTANT    4 Years
```

```
 #3
library(ggplot2)
```

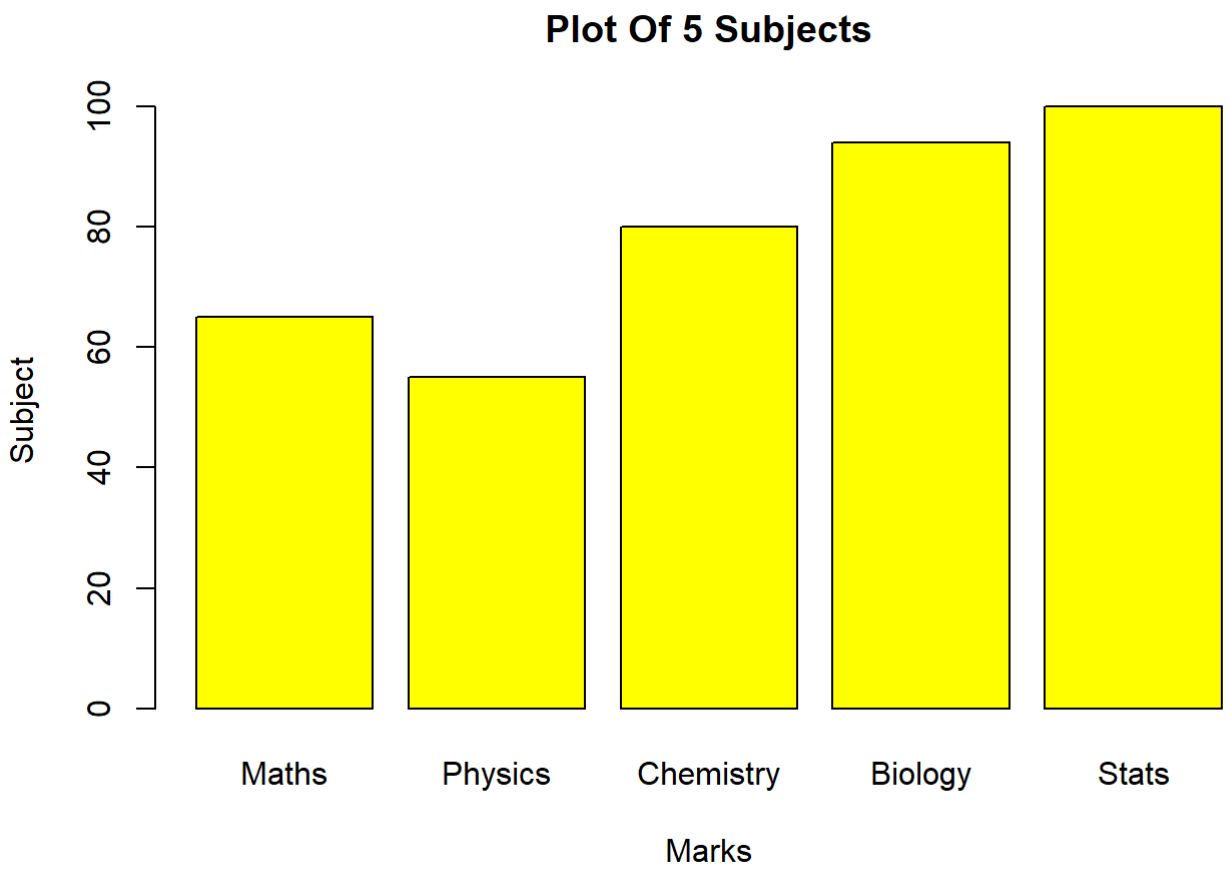
```
## Warning in register(): Can't find generic `scale_type` in package ggplot2 to
## register S3 method.
```




```
x <- 1:20;y = x^2
qplot(x,y)
```




```
#4
marks = c(65, 55, 80, 94,100)
barplot(marks,
        main = "Plot Of 5 Subjects",
        xlab = "Marks",
        ylab = "Subject",
        names.arg = c("Maths", "Physics", "Chemistry", "Biology","Stats"),
        col = "yellow")
```




```
#5
print("Sequence of numbers from 20 to 50:")
```

```
## [1] "Sequence of numbers from 20 to 50:"
```

```
print(seq(20,50))
```

```
##  [1] 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44
## [26] 45 46 47 48 49 50
```

```
print("Mean of numbers from 20 to 60:")
```

```
## [1] "Mean of numbers from 20 to 60:"
```

```
print(mean(20:50))
```

```
## [1] 35
```

```
print("Sum of numbers from 51 to 91:")
```

```
## [1] "Sum of numbers from 51 to 91:"
```

```
print(sum(20:50))
```

```
## [1] 1085
```

```
#6
a = sample(-50:50, 10, replace=TRUE)
print("Content of the vector:")
```

```
## [1] "Content of the vector:"
```

```
print("10 random integer values between -50 and +50:")
```

```
## [1] "10 random integer values between -50 and +50:"
```

```
print(a)
```

```
##  [1]  22  -9   5   2 -32  48 -47   5 -22 -45
```

```
#7
name = readline(prompt="Input your name: ")
```

```
## Input your name:
```

```
age =  readline(prompt="Input your age: ")
```

```
## Input your age:
```

```
print(paste("My name is",name, "and I am",age ,"years old."))
```

```
## [1] "My name is  and I am  years old."
```