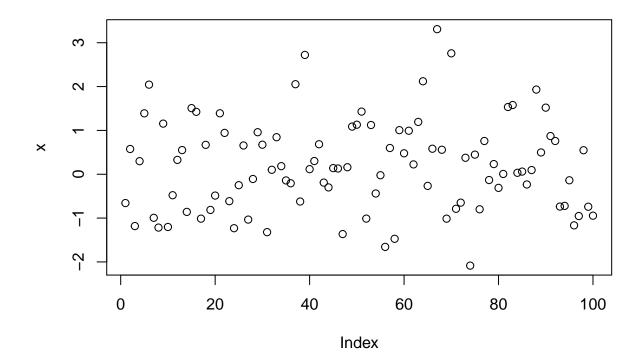
Assignment #0 - SRT411

Said Warsame 2019-02-15

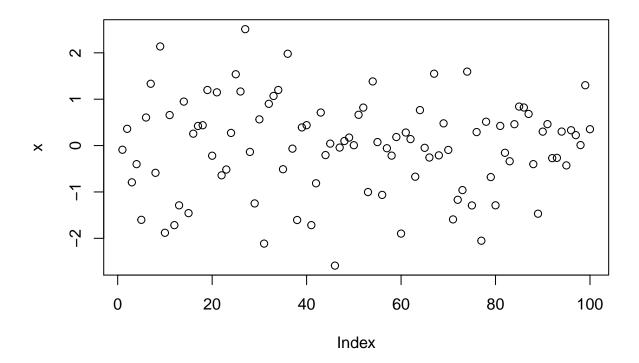
This is my RMarkdown document which holds my answers to the ToDo excercises from Torf's and Brauer's "A (very) short introduction to R" which can be found at this link "https://cran.r-project.org/doc/contrib/Torfs+Brauer-Short-R-Intro.pdf". My Github can be found at this link "https://github.com/swarsame/SRT411-Assignment-0".



help(sqrt)

ToDo-6

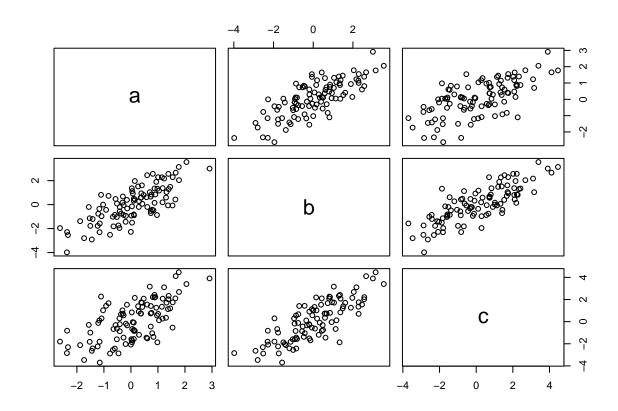
source("script.R")



```
P = seq(from=31, to=60, by=1)
## [1] 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53
## [24] 54 55 56 57 58 59 60
Q = matrix(P,nrow=6,ncol=5)
Q
##
        [,1] [,2] [,3] [,4] [,5]
## [1,]
               37
          31
                     43
                          49
                               55
## [2,]
          32
                38
                     44
                          50
                               56
## [3,]
          33
               39
                     45
                          51
                               57
## [4,]
          34
                40
                          52
                               58
                     46
## [5,]
          35
                41
                     47
                          53
                               59
## [6,]
          36
                42
                     48
                          54
                               60
```

```
x1 = rnorm(100)
x2 = rnorm(100)
```

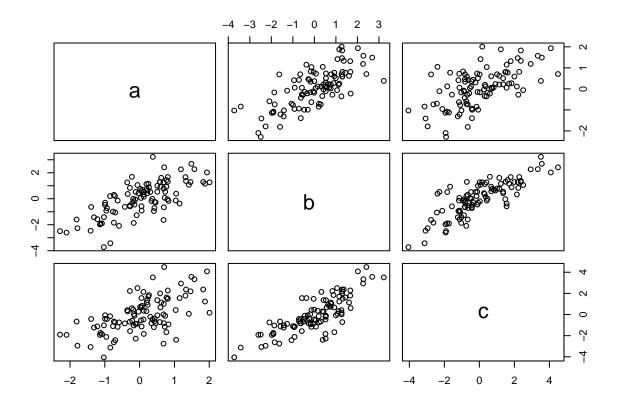
```
x3 = rnorm(100)
t = data.frame(a = x1, b = x1+x2, c = x1+x2+x3)
plot(t)
```

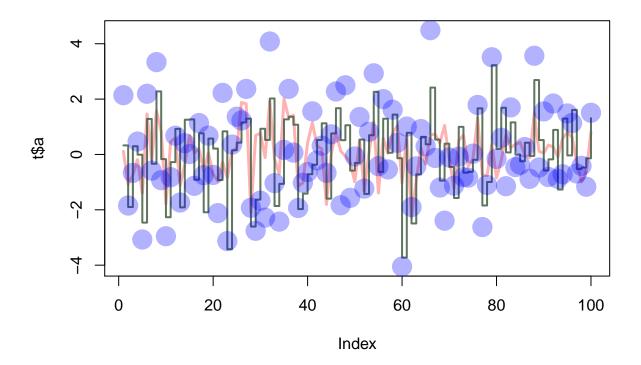


```
sapply(t, sd)
```

```
## a b c
## 1.086952 1.500446 1.816595
```

```
x1 = rnorm(100)
x2 = rnorm(100)
x3 = rnorm(100)
t = data.frame(a = x1, b = x1+x2, c = x1+x2+x3)
plot(t)
```





```
d = data.frame(a = c(1,2,4,8,16,32), g = c(2,4,8,16,32,64), x = c(3,6,12,24,48,96))
write.table(d, file="tst1.txt", row.names=FALSE)
d2 = read.table(file="tst1.txt", header=TRUE)
write.table(d2$g*5, file="tst2.txt", row.names=FALSE)
```

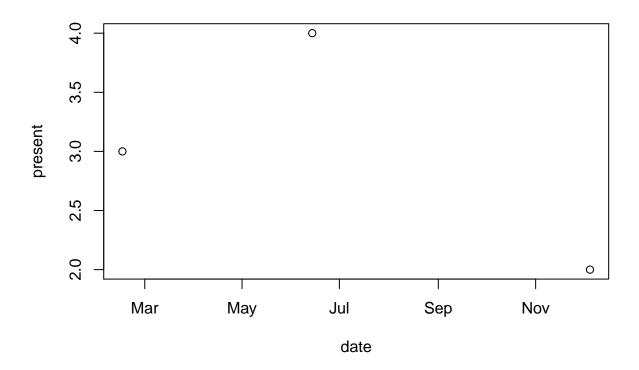
ToDo-11

```
vec9=rnorm(100)
mean(sqrt(vec9))
```

Warning in sqrt(vec9): NaNs produced

[1] NaN

```
date=strptime( c("20190215","20191205","20190614"),format="%Y%m%d")
present=c(3,2,4)
plot(date,present)
```



```
vec14=seq(from=1, to=100, by=1)
a=c()
for(i in 1:100)
{
  if(vec14[i]<5)</pre>
    a[i]=vec14[i]*5;
  }
  else if(vec14[i]>90)
  {
    a[i]=vec14[i]*10;
  }
  else
  {
    a[i]=vec14[i]*0.1;
  }
}
                    10.0
                                                                                  1.0
##
     [1]
             5.0
                           15.0
                                   20.0
                                            0.5
                                                   0.6
                                                           0.7
                                                                   0.8
                                                                          0.9
##
                    1.2
    [11]
             1.1
                            1.3
                                    1.4
                                            1.5
                                                   1.6
                                                           1.7
                                                                   1.8
                                                                          1.9
                                                                                  2.0
##
    [21]
             2.1
                    2.2
                            2.3
                                    2.4
                                            2.5
                                                   2.6
                                                           2.7
                                                                   2.8
                                                                          2.9
                                                                                  3.0
    [31]
             3.1
                    3.2
                            3.3
                                    3.4
                                           3.5
                                                   3.6
                                                           3.7
                                                                  3.8
                                                                          3.9
                                                                                  4.0
##
```

```
## [41]
          4.1
                       4.3
                                                  4.7
                                                                     5.0
                 4.2
                              4.4
                                     4.5
                                           4.6
                                                        4.8
                                                               4.9
##
   [51]
           5.1
                 5.2
                       5.3
                              5.4
                                     5.5
                                           5.6
                                                  5.7
                                                        5.8
                                                               5.9
                                                                     6.0
                 6.2
  [61]
           6.1
                        6.3
                              6.4
                                     6.5
                                                               6.9
                                                                     7.0
##
                                           6.6
                                                  6.7
                                                        6.8
## [71]
           7.1
                 7.2
                        7.3
                              7.4
                                     7.5
                                           7.6
                                                  7.7
                                                        7.8
                                                               7.9
                                                                     8.0
## [81]
           8.1
                 8.2
                        8.3
                              8.4
                                     8.5
                                           8.6
                                                  8.7
                                                        8.8
                                                               8.9
                                                                     9.0
## [91] 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0 990.0 1000.0
```

```
fx= function(arg1,arg2 )
{
  vec14[i]=arg1[i];
  for(i in length(vec14))
  {
  }
}
```