Nama: David Kevin Hutabarat

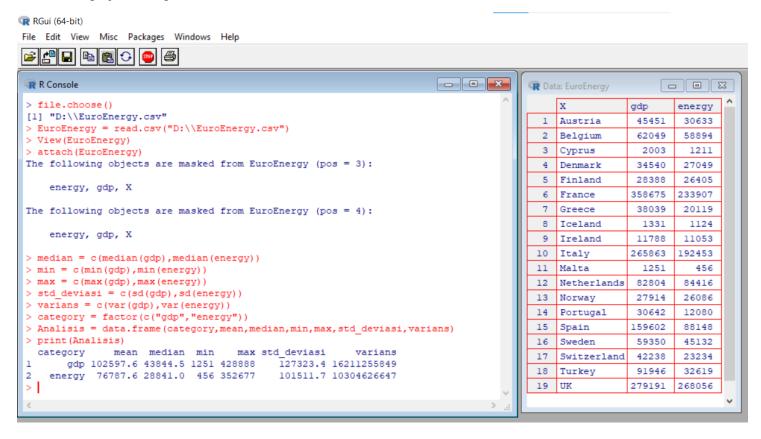
NIM : 190803100

Kelas: VB – Statistika Komputasi

DATA KUANTITATIF:

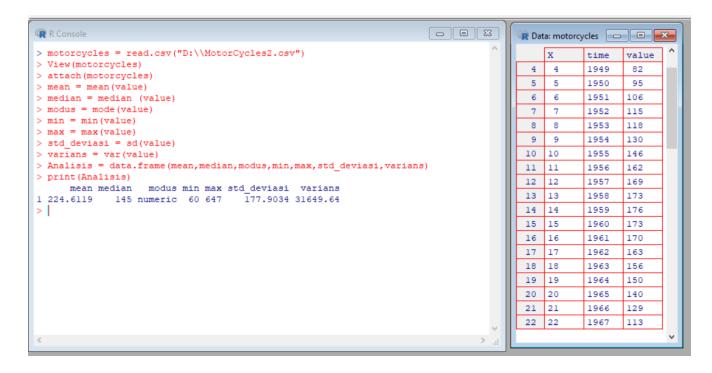
1. Datasets "EuroEnergy" yaitu data frame mengenai konsumsi energi di Eropa (sumber: https://vincentarelbundock.github.io/Rdatasets/datasets.html)

Pengerjaan dengan R Console:



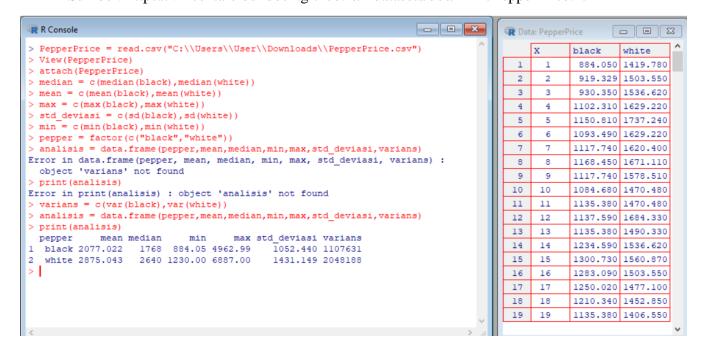
2. Dataset "Motorcycles2" yaitu data time series dari jumlah sepeda motor di Belanda (dalam ribu)

Sumber: https://vincentarelbundock.github.io/Rdatasets/doc/AER/MotorCycles.html



3. Dataset "PepperPrice" yaitu data time series dari rata-rata harga black dan white pepper per bulan dalam US Dollar per ton.

Sumber: https://vincentarelbundock.github.io/Rdatasets/doc/AER/PepperPrice.html



```
Source code:
PepperPrice = read.csv("C:\\Users\\User\\Downloads\\PepperPrice.csv")
> View(PepperPrice)
> attach(PepperPrice)
> median = c(median(black),median(white))
> mean = c(mean(black),mean(white))
> max = c(max(black), max(white))
> std_deviasi = c(sd(black),sd(white))
> min = c(min(black),min(white))
> pepper = factor(c("black","white"))
> varians = c(var(black), var(white))
> analisis = data.frame(pepper,mean,median,min,max,std_deviasi,varians)
> print(analisis)
          mean median
                         min max std_deviasi varians
 pepper
1 black 2077.022 1768 884.05 4962.99 1052.440 1107631
2 white 2875.043 2640 1230.00 6887.00 1431.149 2048188
DATA KUALITATIF:
   4. Dataset "ProgramEffectiveness" yaitu dataset yang memeriksa apakah metode mengajar
      ekonomi yang baru berpengaruh pada performa peserta pada materi ekonomi selanjutnya
Sumber: https://vincentarelbundock.github.io/Rdatasets/doc/AER/ProgramEffectiveness.html
Source code:
file.choose()
```

[1] "C:\\Users\\User\\Downloads\\ProgramEffectiveness.csv"

> View(PE)

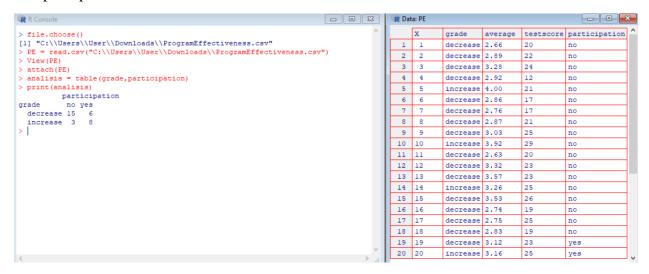
> attach(PE)

> analisis = table(grade,participation)

> PE = read.csv("C:\\Users\\User\\Downloads\\ProgramEffectiveness.csv")

```
> print(analisis)
    participation
grade no yes
decrease 15 6
increase 3 8
```

Tampilan pada R console:



5. Dataset "ShipAccidents" adalah data frame tentang kecelakaan kapal yang berisi 40 observasi atas 5 tipe kapal pada 4 tahun konstruksi dan 2 periode tahun pelayaran.

Sumber: https://vincentarelbundock.github.io/Rdatasets/doc/AER/ShipAccidents.html

Source code:

88888

```
SA = read.csv("C:\\Users\\User\\Downloads\\ShipAccidents.csv")

> View(SA)

> attach(SA)

> type.table = table(type)

> print(type.table)

type

A B C D E
```

```
> const.table = table(construction)
```

> print(const.table)

construction

1960-64 1965-69 1970-74 1975-79

9 10 10 11

> op.table = table(operation)

> print(op.table)

operation

1960-74 1975-79

19 21

> prop.table(type.table)

type

A B C D E

0.2 0.2 0.2 0.2 0.2

> prop.table(type.table)*100

type

ABCDE

20 20 20 20 20

> prop.table(const.table)*100

construction

1960-64 1965-69 1970-74 1975-79

22.5 25.0 25.0 27.5

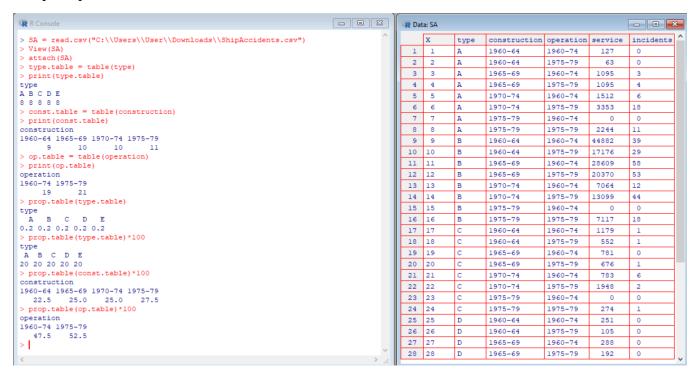
> prop.table(op.table)*100

operation

1960-74 1975-79

47.5 52.5

Tampilan pada R Console:



6. Dataset "UCBAdmissions" adalah dataset yang berisi penerimaan siswa di Berkeley pada 6 departemen terbesar pada tahun 1973 yang diklasifikasi berdasarkan status penerimaan dan jenis kelamin

Sumber: https://vincentarelbundock.github.io/Rdatasets/doc/datasets/UCBAdmissions.html

Source code:

```
adm = read.csv("C:\\Users\\User\\Downloads\\UCBAdmissions.csv")
> View(adm)
> admit.table = table(adm$Admit)
> print(admit.table)
```

Admitted Rejected

12

> prop.table(admit.table)
Admitted Rejected
0.5 0.5
> gender.table = table(adm\$Gender)
> print(gender.table)
Female Male
12 12
> prop.table(gender.table)
Female Male
0.5 0.5
> dept.table = table(adm\$Dept)
> print(dept.table)
ABCDEF
4 4 4 4 4 4
> prop.table(dept.table)
A B C D E F

 $0.1666667\ 0.1666667\ 0.1666667\ 0.1666667\ 0.1666667$

Tampilan pada R console:

