Projekt SAP

Tema 2 - Uloga izvoza i uvoza u gospodarstvu

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Ucitavanje podataka i deskriptivna analiza

Na pocetku ucitavamo podatke i analiziramo kako izgledaju podaci.

```
export.data = read.csv("Export_data.csv")
head(export.data)
```

```
##   LOCATION     INDICATOR SUBJECT MEASURE FREQUENCY TIME    Value Flag.Codes
## 1      AUS TRADEGOODSERV     EXP MLN_USD         A 1979 34873.84
## 2      AUS TRADEGOODSERV     EXP MLN_USD         A 1980 33181.09
## 3      AUS TRADEGOODSERV     EXP MLN_USD         A 1981 33964.27
## 4      AUS TRADEGOODSERV     EXP MLN_USD         A 1982 34140.87
## 5      AUS TRADEGOODSERV     EXP MLN_USD         A 1983 36746.14
## 6      AUS TRADEGOODSERV     EXP MLN_USD         A 1984 42419.16
```

```
import.data = read.csv("Import_data.csv")
head(import.data)
```

```
##   LOCATION     INDICATOR SUBJECT MEASURE FREQUENCY TIME    Value Flag.Codes
## 1      AUS TRADEGOODSERV     IMP MLN_USD         A 1979 25997.86
## 2      AUS TRADEGOODSERV     IMP MLN_USD         A 1980 28456.12
## 3      AUS TRADEGOODSERV     IMP MLN_USD         A 1981 31747.56
## 4      AUS TRADEGOODSERV     IMP MLN_USD         A 1982 29068.45
## 5      AUS TRADEGOODSERV     IMP MLN_USD         A 1983 30809.11
## 6      AUS TRADEGOODSERV     IMP MLN_USD         A 1984 35935.48
```

```
gdp.data = read.csv("GDP_data.csv")
head(gdp.data)
```

```
##   LOCATION INDICATOR SUBJECT MEASURE FREQUENCY TIME    Value Flag.Codes
## 1      AUS       GDP     TOT MLN_USD         A 1979 137701.4
## 2      AUS       GDP     TOT MLN_USD         A 1980 154717.9
## 3      AUS       GDP     TOT MLN_USD         A 1981 177931.5
## 4      AUS       GDP     TOT MLN_USD         A 1982 181564.9
## 5      AUS       GDP     TOT MLN_USD         A 1983 196115.5
## 6      AUS       GDP     TOT MLN_USD         A 1984 211311.6
```

```
gdp.pc.data = read.csv("GDPpercapita_data.csv")
head(gdp.pc.data)
```

```
##   LOCATION INDICATOR SUBJECT MEASURE FREQUENCY TIME     Value Flag.Codes
## 1      AUS       GDP     TOT USD_CAP         A 1979  9429.998
## 2      AUS       GDP     TOT USD_CAP         A 1980 10448.711
## 3      AUS       GDP     TOT USD_CAP         A 1981 11923.070
```

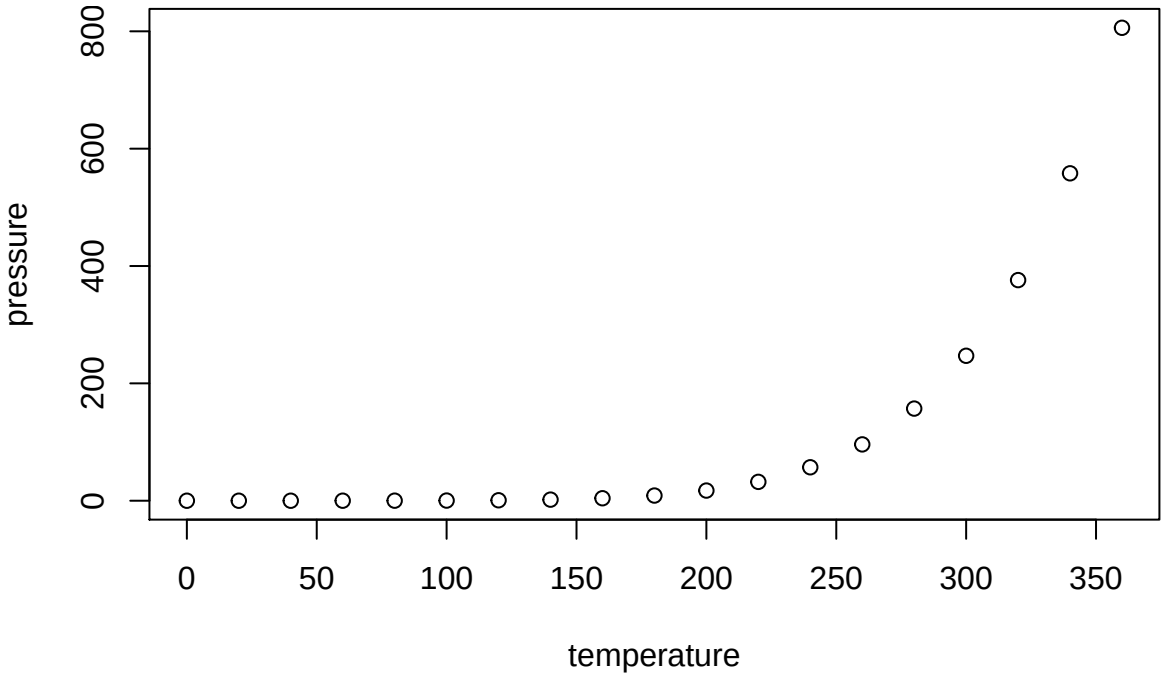
```
## 4      AUS       GDP     TOT USD_CAP         A 1982 11957.489
## 5      AUS       GDP     TOT USD_CAP         A 1983 12740.151
## 6      AUS       GDP     TOT USD_CAP         A 1984 13563.528
```

```r
export.loc.cnt = export.data %>% group_by(LOCATION) %>%
    summarise(n = n(), n_estimates = sum(Flag.Codes == 'E')) %>%
    arrange(desc(n), n_estimates)
head(export.loc.cnt)
```

```
## # A tibble: 6 x 3
##   LOCATION     n n_estimates
##   <fct>    <int>       <int>
## 1 CAN         41           0
## 2 DNK         41           0
## 3 FRA         41           0
## 4 CHE         41           1
## 5 FIN         41           1
## 6 DEU         41          12
```

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.