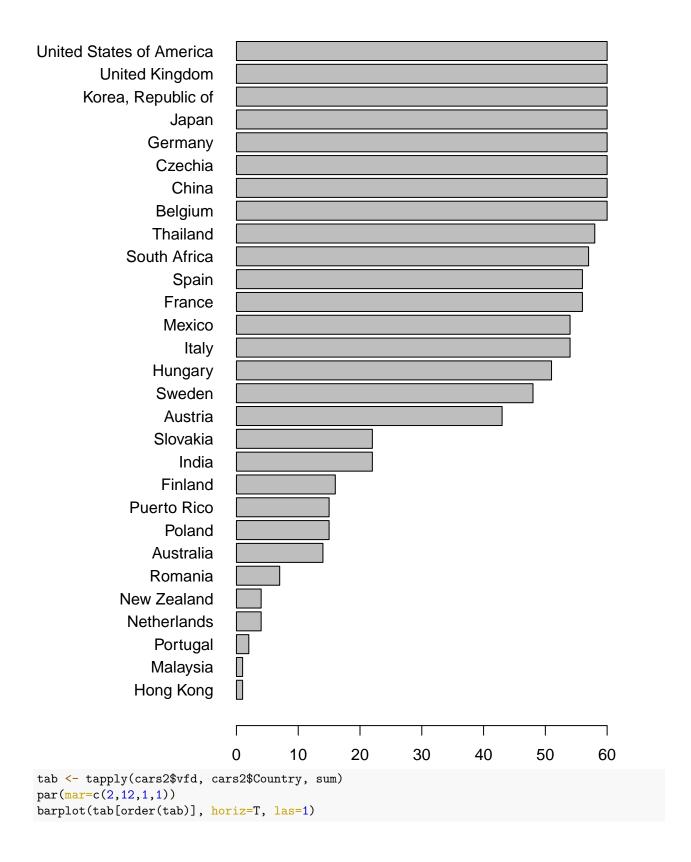
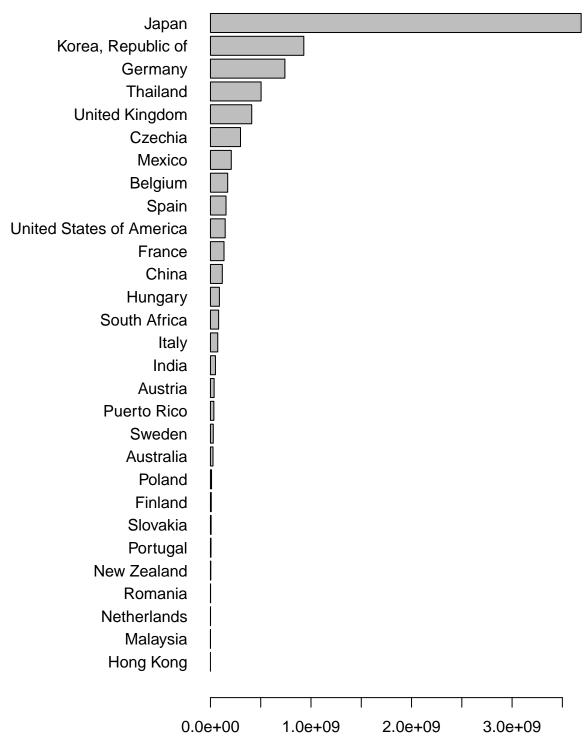
STATS 769 Lab 00

Chase Robertson

2022-07-20

```
cars <- read.csv("car-imports.csv")</pre>
head(cars)
      Month Unit.Qty Country
                                    vfd
                                                cif Imports.Qty
## 1 201901
                 NMB Austria 2,511,892 2,574,059
                                                             42
## 2 201901
                 NMB Belgium 1,886,314 1,963,103
                                                             53
## 3 201901
                 NMB China 2,675,272 2,799,368
                                                            121
## 4 201901
                 NMB Czechia 7,251,350 7,665,974
                                                            256
## 5 201901
                 NMB Germany 16,902,288 17,320,488
                                                            308
## 6 201901
                 NMB France 7,755,592 8,188,301
                                                            238
cars2 <- cars
cars2$vfd <- as.numeric(gsub(",", "", cars$vfd))</pre>
cars2$cif <- as.numeric(gsub(",", "", cars$cif))</pre>
cars2$Imports.Qty <- as.numeric(cars$Imports.Qty)</pre>
## Warning: NAs introduced by coercion
cars2$Month <- as.Date(pasteO(cars$Month, "01"), format="%Y%m%d")</pre>
str(cars2)
## 'data.frame':
                    1080 obs. of 6 variables:
## $ Month
               : Date, format: "2019-01-01" "2019-01-01" ...
## $ Unit.Qty : chr "NMB" "NMB" "NMB" "NMB" ...
## $ Country
                 : chr "Austria" "Belgium" "China" "Czechia" ...
## $ vfd
                 : num 2511892 1886314 2675272 7251350 16902288 ...
## $ cif
                 : num 2574059 1963103 2799368 7665974 17320488 ...
## $ Imports.Qty: num 42 53 121 256 308 238 192 119 4 6 ...
tab <- table(cars2$Country)</pre>
par(mar=c(2,12,1,1))
barplot(tab[order(tab)], horiz=T, las=1)
```





Propose log transformation of vfd totals to linearise bar lengths.