

Latihan 2_123190139

Yessika Nur

9/24/2021

1.

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

```
library(dslabs)
data(murders)

str(murders)
```

```
## 'data.frame':   51 obs. of  5 variables:
## $ state      : chr  "Alabama" "Alaska" "Arizona" "Arkansas" ...
## $ abb       : chr  "AL" "AK" "AZ" "AR" ...
## $ region     : Factor w/ 4 levels "Northeast","South",...: 2 4 4 2 4 4 1 2 2 2 ...
## $ population: num  4779736 710231 6392017 2915918 37253956 ...
## $ total      : num   135  19  232  93 1257 ...
```

- Terdiri dari 51 negara. **(Benar)**
- Data berisi tingkat pembunuhan pada 50 negara bagian dan DC. **(Benar)**
- Data berisi Nama negara bagian, singkatan dari nama negara bagian, wilayah negara bagian, dan populasi negara bagian serta jumlah total pembunuhan pada tahun 2010. **(Benar)**
- str tidak menunjukkan informasi yang relevan. **(Salah)**

2

```
## [1] 2
```

```
names(murders)
```

```
## [1] "state"      "abb"        "region"     "population" "total"
```

3.

```
## [1] 3
```

```
murders$abb
```

```
## [1] "AL" "AK" "AZ" "AR" "CA" "CO" "CT" "DE" "DC" "FL" "GA" "HI" "ID" "IL" "IN"
## [16] "IA" "KS" "KY" "LA" "ME" "MD" "MA" "MI" "MN" "MS" "MO" "MT" "NE" "NV" "NH"
## [31] "NJ" "NM" "NY" "NC" "ND" "OH" "OK" "OR" "PA" "RI" "SC" "SD" "TN" "TX" "UT"
## [46] "VT" "VA" "WA" "WV" "WI" "WY"
```

```
a = murders$abb  
class(a)
```

```
## [1] "character"
```

Kelas a = character

4.

```
## [1] 4
```

```
murders[[2]]
```

```
## [1] "AL" "AK" "AZ" "AR" "CA" "CO" "CT" "DE" "DC" "FL" "GA" "HI" "ID" "IL" "IN"  
## [16] "IA" "KS" "KY" "LA" "ME" "MD" "MA" "MI" "MN" "MS" "MO" "MT" "NE" "NV" "NH"  
## [31] "NJ" "NM" "NY" "NC" "ND" "OH" "OK" "OR" "PA" "RI" "SC" "SD" "TN" "TX" "UT"  
## [46] "VT" "VA" "WA" "WV" "WI" "WY"
```

```
b = murders[[2]]  
class(b)
```

```
## [1] "character"
```

Nilai a dan b bernilai sama dan bertipe data sama yaitu character

5.

```
## [1] 5
```

```
levels(murders$region)
```

```
## [1] "Northeast" "South" "North Central" "West"
```

```
length(murders$region)
```

```
## [1] 51
```

6.

```
## [1] 6
```

```
table(state.region)
```

```
## state.region  
## Northeast South North Central West  
##          9      16      12      13
```