Tugas\_Modul3

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## R Markdown

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 ...

-> Jawabannya adalah C karna hasil dari str(murders) menampilkan Data berisi nama negara bagian,singkatan dari nama negara bagian,wilayah negara bagian,dan populasi negara bagian serta jumlah total pembunuhan pada tahun 2010.

2 Nama - nama kolom pada data frames murders adalah :

names(murders)

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

3

a = murders$abb  
 print(a)

## [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"

class(a)

## [1] "character"

4

b= murders[[2]]  
 print(b)

## [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"

c = a == b   
 print(c)

## [1] TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE  
## [16] TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE  
## [31] TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE  
## [46] TRUE TRUE TRUE TRUE TRUE TRUE

-> Ya, A dan B nilainya sama

5

length(levels(murders$region))

## [1] 4

-> Jumlah regionnya 4

6

table(matrix(murders$region))

##   
## North Central Northeast South West   
## 12 9 17 13