Worksheet3 RMarkdown

Andrey Sumadic

2023-10-04

```r
1.
```

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

```r
#a.
LETTERS[1:11]
```

```
##  [1] "A" "B" "C" "D" "E" "F" "G" "H" "I" "J" "K"
```

```r
#b.
LETTERS[c(1,3,5,7,9,11,13,15,17,19,21)]
```

```
##  [1] "A" "C" "E" "G" "I" "K" "M" "O" "Q" "S" "U"
```

```r
#c.
LETTERS[c(1,5,9,15,21)]
```

```
## [1] "A" "E" "I" "O" "U"
```

```r
#d.
letters[22:26]
```

```
## [1] "v" "w" "x" "y" "z"
```

```r
#e.
letters[c(15:24)]
```

```
##  [1] "o" "p" "q" "r" "s" "t" "u" "v" "w" "x"
```

```r
2.
```

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

```r
#a.
city <- c("Tuguegarao City", "Manila", "Iloilo City", "Tacloban","Samal Island", "Davao City")
```

```r
#b.
temp <- c(42, 39, 34, 34, 30, 27)
```

```r
#c.
combined <- data.frame(city, temp)
combined
```

```
##              city temp
## 1 Tuguegarao City   42
## 2          Manila   39
## 3     Iloilo City   34
## 4        Tacloban   34
## 5     Samal Island  30
## 6      Davao City   27
```

```r
#d.
names(combined)[names(combined) == "city"] <- "City"
names(combined)[names(combined) == "temp"] <- "Temperature"
combined
```

```
##              City Temperature
## 1 Tuguegarao City          42
## 2          Manila          39
## 3     Iloilo City          34
## 4        Tacloban          34
## 5     Samal Island         30
## 6       Davao City         27
```

```r
#e. The structure shows it is a dataframe with 6 observations (rows) of 2 variables (columns)
str(combined)
```

```
## 'data.frame':    6 obs. of  2 variables:
##  $ City       : chr  "Tuguegarao City" "Manila" "Iloilo City" "Tacloban" ...
##  $ Temperature: num  42 39 34 34 30 27
```

```r
#f.
combined[c(3,4),]
```

```
##          City Temperature
## 3 Iloilo City          34
## 4    Tacloban          34
```

```r
#g.
combined[c(1,6),]
```

```
##              City Temperature
## 1 Tuguegarao City          42
## 6       Davao City         27
```