RWorksheet2

Floreda Mae Siatan

2022-10-07

R Markdown

```
f <- -5:5
## [1] -5 -4 -3 -2 -1 0 1 2 3 4 5
x<-1:7
х
## [1] 1 2 3 4 5 6 7
1 < - seq(1,3, by=0.2)
## [1] 1.0 1.2 1.4 1.6 1.8 2.0 2.2 2.4 2.6 2.8 3.0
      agelist <- c(34, 28, 22, 36, 27, 18, 52, 39, 42, 29, 35, 31, 27,
                    22, 37, 34, 19, 20, 57, 49, 50, 37, 46, 25, 17, 37, 43, 53, 41, 51, 35,
                    24,33, 41, 53, 40, 18, 44, 38, 41, 48, 27, 39, 19, 30, 61, 54, 58, 26,
                    18)
       agelist
## [1] 34 28 22 36 27 18 52 39 42 29 35 31 27 22 37 34 19 20 57 49 50 37 46 25 17
## [26] 37 43 53 41 51 35 24 33 41 53 40 18 44 38 41 48 27 39 19 30 61 54 58 26 18
ThirdElement <- agelist [3]
    ThirdElement
## [1] 22
Second <- agelist [2]
             Second
```

```
Fourth <- agelist [4]
Fourth
## [1] 36
ages <-agelist [2:50]
             ages
## [1] 28 22 36 27 18 52 39 42 29 35 31 27 22 37 34 19 20 57 49 50 37 46 25 17 37
## [26] 43 53 41 51 35 24 33 41 53 40 18 44 38 41 48 27 39 19 30 61 54 58 26 18
names <- c("first"=3, "second"=0, "third"=9)</pre>
      names
## first second third
## 3
         0
names[c("first", "third")]
## first third
## 3 9
x <- -3:2
X
## [1] -3 -2 -1 0 1 2
x[2] < 0
X
## [1] -3 0 -1 0 1 2
Month = c("Jan", "Feb", "March", "April", "May", "June")
Price <- c(52.50, 57.25, 60.00, 65.00, 74.25, 54.00)
Quantity \leftarrow c(25, 30, 40, 50, 10, 45)
Diesel<- data.frame (Month, Price, Quantity)</pre>
Diesel
## Month Price Quantity
## 1 Jan 52.50
## 2 Feb 57.25
                    30
## 3 March 60.00
                    40
## 4 April 65.00
                    50
## 5 May 74.25
                   10
## 6 June 54.00
                   45
```

```
weighted.mean(Price,Quantity)
## [1] 59.2625
data <- c(length(rivers), sum(rivers), mean(rivers), median(rivers), var(rivers),</pre>
  sd(rivers), min(rivers), max(rivers))
               data
## [1]
          141.0000 83357.0000
                                  591.1844
                                               425.0000 243908.4086
                                                                       493.8708
## [7]
          135.0000
                     3710.0000
PowerRanking <- 1:25
CelebrityName <- c("Tom Cruise", "Rolling Stones", "Oprah Winfrey", "U2", "Tiger Woods",
                                  "Steven Spielberg", "Howarf Stern", "50 Cent", "Cast of the Sopranos", "D
                                  "Bruce Springsteen", "Donald Trump", "Muhammand Ali", "Paul McCartney",
                                  "Elton John", "David Letterman", "Phil Mickelson", "J.K Rowling", "Bradd
                                  "Peter Jackson", "Dr. Phil McGraw", "Jay Lenon", "Celine Dion", "Kobe Brya
CelebrityName
## [1] "Tom Cruise"
                                "Rolling Stones"
                                                       "Oprah Winfrey"
   [4] "U2"
                                "Tiger Woods"
                                                       "Steven Spielberg"
                                "50 Cent"
## [7] "Howarf Stern"
                                                       "Cast of the Sopranos"
## [10] "Dan Brown"
                                "Bruce Springsteen"
                                                       "Donald Trump"
## [13] "Muhammand Ali"
                               "Paul McCartney"
                                                       "George Lucas"
## [16] "Elton John"
                               "David Letterman"
                                                       "Phil Mickelson"
## [19] "J.K Rowling"
                               "Bradd Pitt"
                                                       "Peter Jackson"
## [22] "Dr.Phil McGraw"
                                                       "Celine Dion"
                               "Jay Lenon"
## [25] "Kobe Bryan"
Pay \leftarrow c(67, 90, 225,110,90,332,302,41,52,88,55,44,55,40,233,34,40,47,75,25,39,45,32,40,31)
Pay
             90 225 110 90 332 302 41 52 88 55 44 55 40 233 34 40 47 75
## [1]
        67
        25 39 45 32 40 31
CelebrityAnnualPay <- data.frame(PowerRanking,CelebrityName,Pay)</pre>
CelebrityAnnualPay
##
      PowerRanking
                          CelebrityName Pay
## 1
                 1
                             Tom Cruise 67
## 2
                 2
                         Rolling Stones 90
## 3
                 3
                          Oprah Winfrey 225
## 4
                 4
                                     U2 110
## 5
                 5
                            Tiger Woods 90
## 6
                 6
                       Steven Spielberg 332
## 7
                 7
                           Howarf Stern 302
                                50 Cent 41
## 8
                 8
## 9
                9 Cast of the Sopranos 52
## 10
                10
                              Dan Brown 88
## 11
                      Bruce Springsteen 55
                11
```

```
## 12
                12
                           Donald Trump 44
## 13
                13
                         Muhammand Ali 55
## 14
                         Paul McCartney 40
                14
## 15
                15
                           George Lucas 233
## 16
                16
                             Elton John 34
                        David Letterman 40
## 17
                17
## 18
                         Phil Mickelson 47
                18
## 19
                19
                            J.K Rowling 75
                             Bradd Pitt 25
## 20
                20
## 21
                21
                         Peter Jackson 39
## 22
                22
                         Dr.Phil McGraw 45
## 23
                23
                              Jay Lenon 32
                            Celine Dion 40
## 24
                24
## 25
                25
                             Kobe Bryan
```

CelebrityAnnualPay [19, "PowerRanking"] = 15
 CelebrityAnnualPay[19, "Pay"] = 90
 CelebrityAnnualPay

| PowerRanking | CelebrityName | Pay |
|--------------|---|---|
| 1 | Tom Cruise | 67 |
| 2 | Rolling Stones | 90 |
| 3 | Oprah Winfrey | 225 |
| 4 | U2 | 110 |
| 5 | Tiger Woods | 90 |
| 6 | Steven Spielberg | 332 |
| 7 | Howarf Stern | 302 |
| 8 | 50 Cent | 41 |
| 9 | Cast of the Sopranos | 52 |
| 10 | Dan Brown | 88 |
| 11 | Bruce Springsteen | 55 |
| 12 | Donald Trump | 44 |
| 13 | Muhammand Ali | 55 |
| 14 | Paul McCartney | 40 |
| 15 | George Lucas | 233 |
| 16 | Elton John | 34 |
| 17 | David Letterman | 40 |
| 18 | Phil Mickelson | 47 |
| 15 | J.K Rowling | 90 |
| 20 | Bradd Pitt | 25 |
| 21 | Peter Jackson | 39 |
| 22 | Dr.Phil McGraw | 45 |
| 23 | Jay Lenon | 32 |
| 24 | Celine Dion | 40 |
| 25 | Kobe Bryan | 31 |
| | 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 15 20 21 22 23 24 | 1 Tom Cruise 2 Rolling Stones 3 Oprah Winfrey 4 U2 5 Tiger Woods 6 Steven Spielberg 7 Howarf Stern 8 50 Cent 9 Cast of the Sopranos 10 Dan Brown 11 Bruce Springsteen 12 Donald Trump 13 Muhammand Ali 14 Paul McCartney 15 George Lucas 16 Elton John 17 David Letterman 18 Phil Mickelson 15 J.K Rowling 20 Bradd Pitt 21 Peter Jackson 22 Dr.Phil McGraw 23 Jay Lenon 24 Celine Dion |