## Lab2-Answer.R

HP

2021-02-25

```
## [1] 2199.618
```

```
## Warning in cbind(Year, FireName, BurnedArea): number of rows of result is not a
## multiple of vector length (arg 2)
```

Fires

```
##
         Year
                FireName
                                     BurnedArea
   [1,] "2019" "Waskesiu CFB"
                                     "40"
    [2,] "2019" "Birch Bay"
                                     "0.1"
    [3,] "2018" "Waskesiu CFB"
                                     NA
    [4,] "2018" "Wasstrom's Flats"
                                     "834"
   [5,] "2018" "Millard"
                                     "1483"
   [6,] "2018" "Rabbit"
                                     "20228"
   [7,] "2018" "Sandy North"
                                    NA
   [8,] "2018" "Namekus Lake"
                                    "1.2"
                                    "56"
   [9,] "2017" "Waskesiu CFB"
## [10,] "2017" "Millard"
                                     "693"
## [11,] "2017" "National"
                                     "0.5"
## [12,] "2017" "Wasstrom's Guards" "30"
## [13,] "2017" "South End Meadows" "830"
## [14,] "2016" "Waskesiu CFB"
                                     "40"
# 2- 3
# the type of all the variables has been changed to 'string'.
# 2-3
Fires[3,2]
         FireName
## "Waskesiu CFB"
Fires[6,]
                FireName BurnedArea
##
         Year
       "2018"
                "Rabbit"
                             "20228"
dim(Fires)
## [1] 14 3
```

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```
ncol(Fires)
## [1] 3
# 3-1
matrix1 <- matrix(nrow = 3, ncol = 3)</pre>
# 3-2
matrix1[1,] \leftarrow c(1,2,3)
matrix1[2,] \leftarrow c(4,2,1)
matrix1[3,] \leftarrow c(2,3,0)
matrix1
## [,1] [,2] [,3]
## [1,] 1 2 3
## [2,]
         4 2 1
## [3,] 2 3 0
matrix1t <- t (matrix1)</pre>
matrix1t
       [,1] [,2] [,3]
##
## [1,]
         1 4 2
## [2,]
## [3,]
         3 1 0
# 3-3
matrixi <- solve(matrix1)</pre>
matrixi
```

```
## [,1] [,2] [,3]
## [1,] -0.12 0.36 -0.16
## [2,] 0.08 -0.24 0.44
## [3,] 0.32 0.04 -0.24
```