

Processing Large Datasets with R

Exam

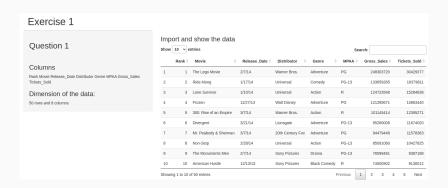
Joris LIMONIER

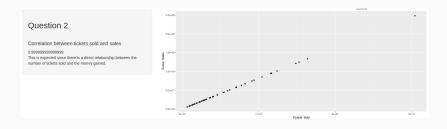
December 7, 2021

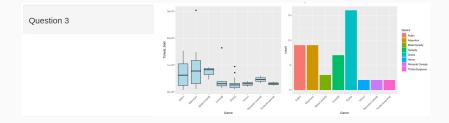
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1.1 Question 1







Watch video
Backup link: https://youtu.be/NTgGG7UvRRU

Watch video
Backup link: https://youtu.be/w_QQVsRoOpA

2. Exercise 2 - RMarkdown (Winter dataset)

```
library(dplyr)
##
## Attaching package: 'dplyr'
## The following objects are masked from 'package:stats':
##
##
       filter, lag
## The following objects are masked from 'package:base':
##
##
       intersect, setdiff, setequal, union
library(ggplot2)
library(gridExtra)
##
## Attaching package: 'gridExtra'
## The following object is masked from 'package:dplyr':
##
       combine
##
```

Part 1

Question 1a

```
winter <- read.csv("datasets_exam/winter_olympic.csv")</pre>
```

Question 1b

```
head(winter)
```

```
NOC Gold Silver Bronze Total
##
    Rank
                                                     Region
## 1
               Russia (RUS)*
                              13
                                     11
                                                 33 EURASTA
                Norway (NOR)
## 2
                              11
                                      5
                                           10
                                                 26
                                                    EUROPE
       3
## 3
                Canada (CAN)
                                     10
                                                 25 NORTH A
                              10
## 4
       4 United States (USA)
                                           12
                                                 28 NORTH A
            Netherlands (NED)
                               8
                                      7
                                                 24
                                                    EUROPE
## 5
       5
                                      6
## 6
       6
               Germany (GER)
                                                 19
                                                    EUROPE
```

Question 1c

```
colnames(winter)

## [1] "Rank" "NOC" "Gold" "Silver" "Bronze" "Total" "Region"
```

```
Question 1d
dim(winter)
## [1] 26 7
nrow(winter)
## [1] 26
ncol(winter)
## [1] 7
```

3. Exercise 3 - Data Analysis (Summer-Winter dataset)