

R Exam

Question 1

```
## -- Attaching packages ----- tidyverse 1.3.1 --

## v ggplot2 3.3.5     v purrr    0.3.4
## v tibble   3.1.2     v dplyr    1.0.7
## v tidyr    1.1.3     v stringr  1.4.0
## v readr    1.4.0     vforcats  0.5.1

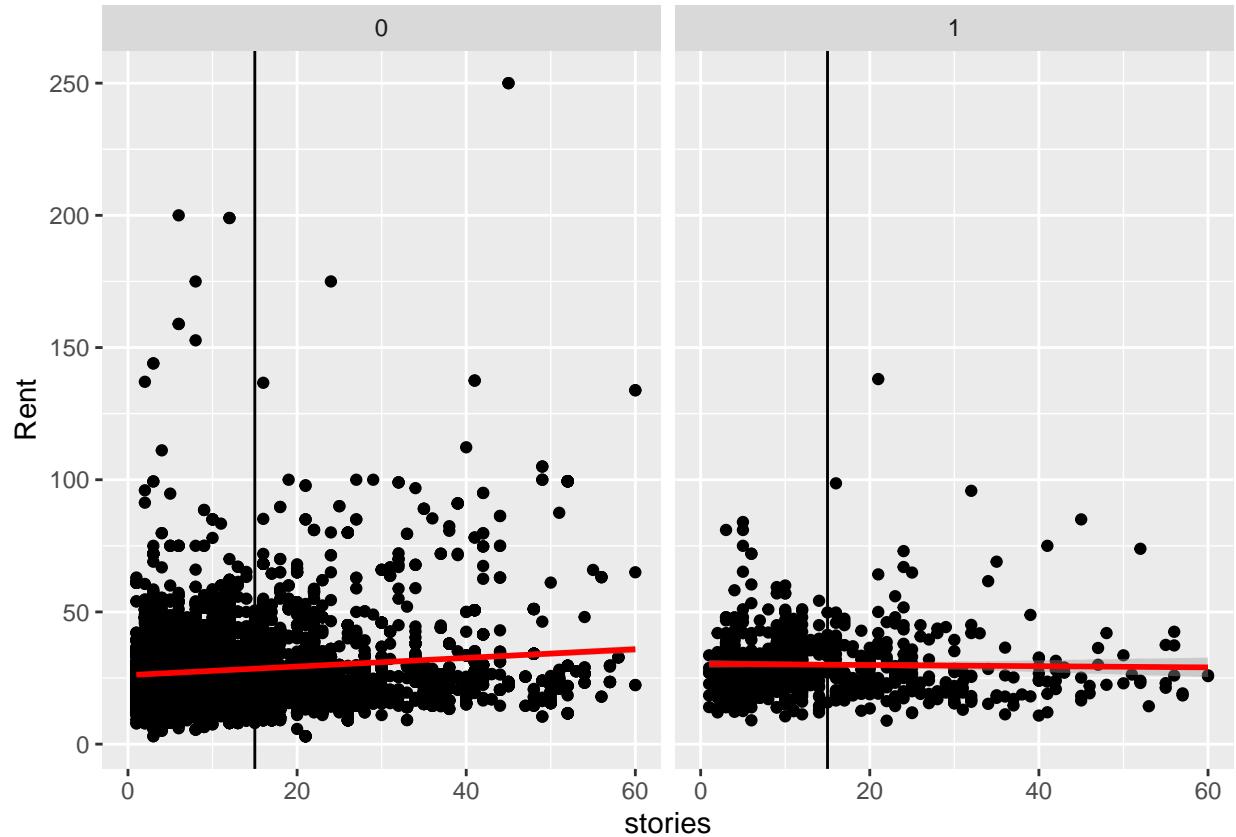
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()   masks stats::lag()
```

Rents of Green housing is, on average, 0.0833333% greater than non-green

Additional Pay from Green - 6.7708333×10^6

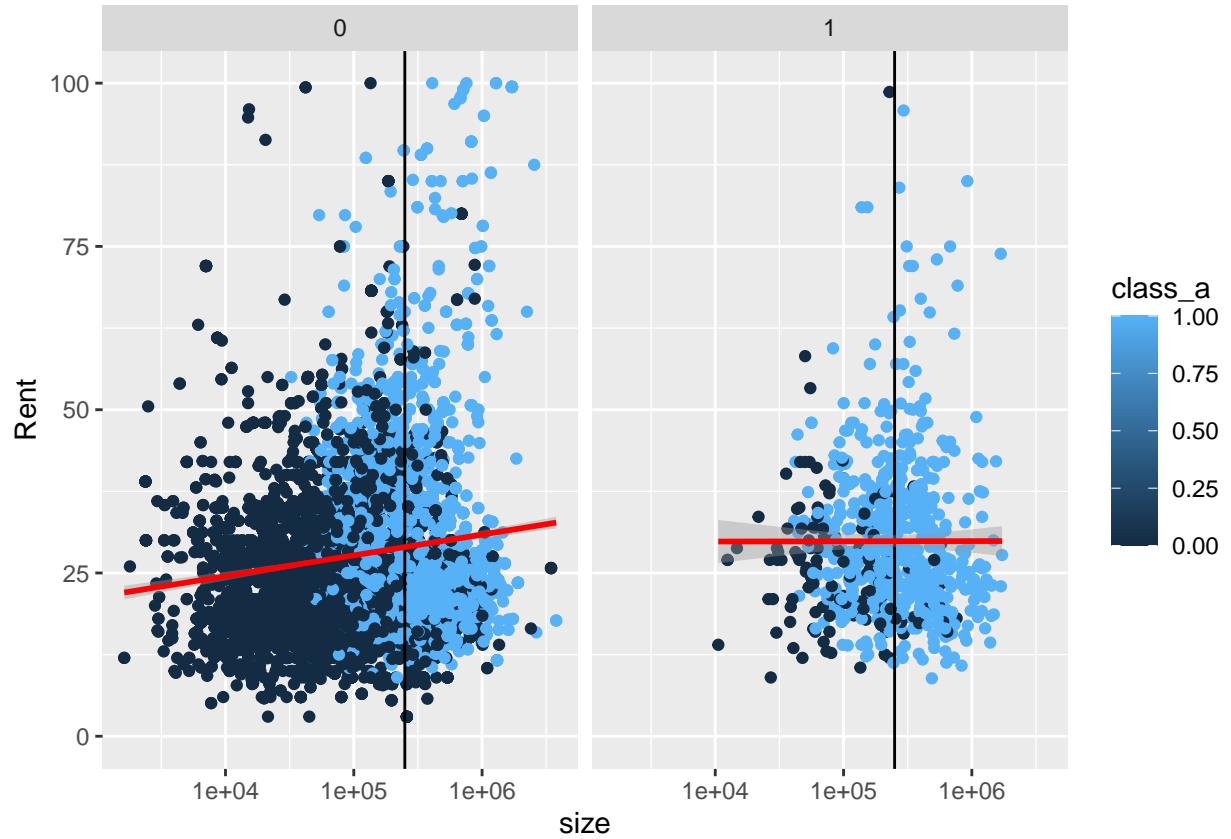
```
## Warning: Removed 29 rows containing non-finite values (stat_smooth).

## Warning: Removed 29 rows containing missing values (geom_point).
```



```
## Warning: Removed 26 rows containing non-finite values (stat_smooth).
```

```
## Warning: Removed 26 rows containing missing values (geom_point).
```

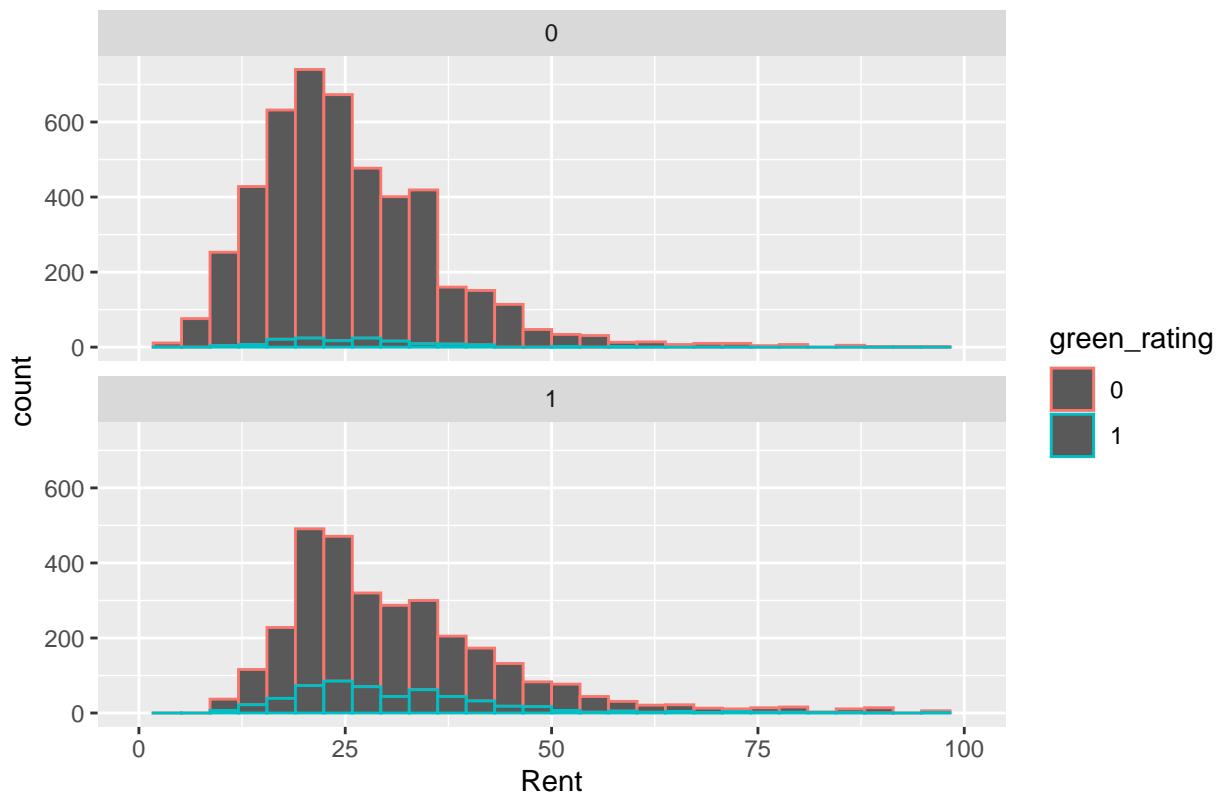


```
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```

```
## Warning: Removed 26 rows containing non-finite values (stat_bin).
```

```
## Warning: Removed 8 rows containing missing values (geom_bar).
```

Facet wrap – Class A

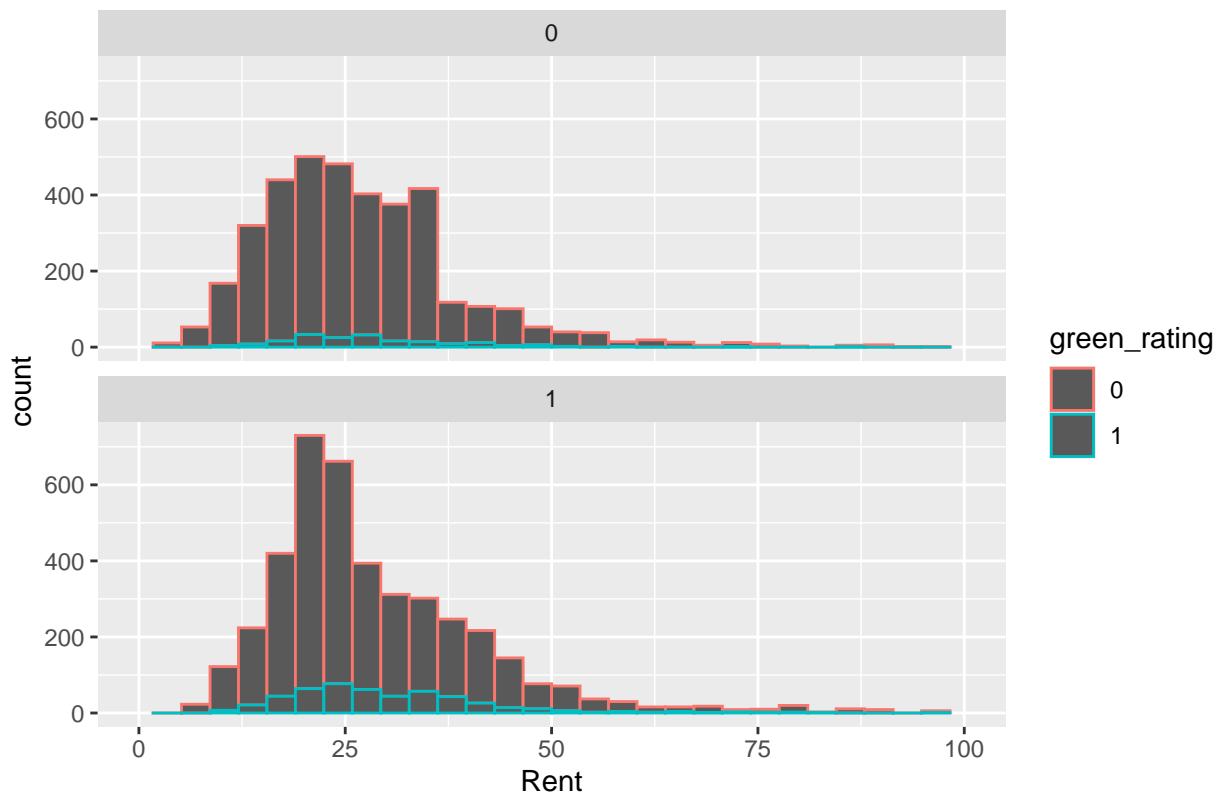


```
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```

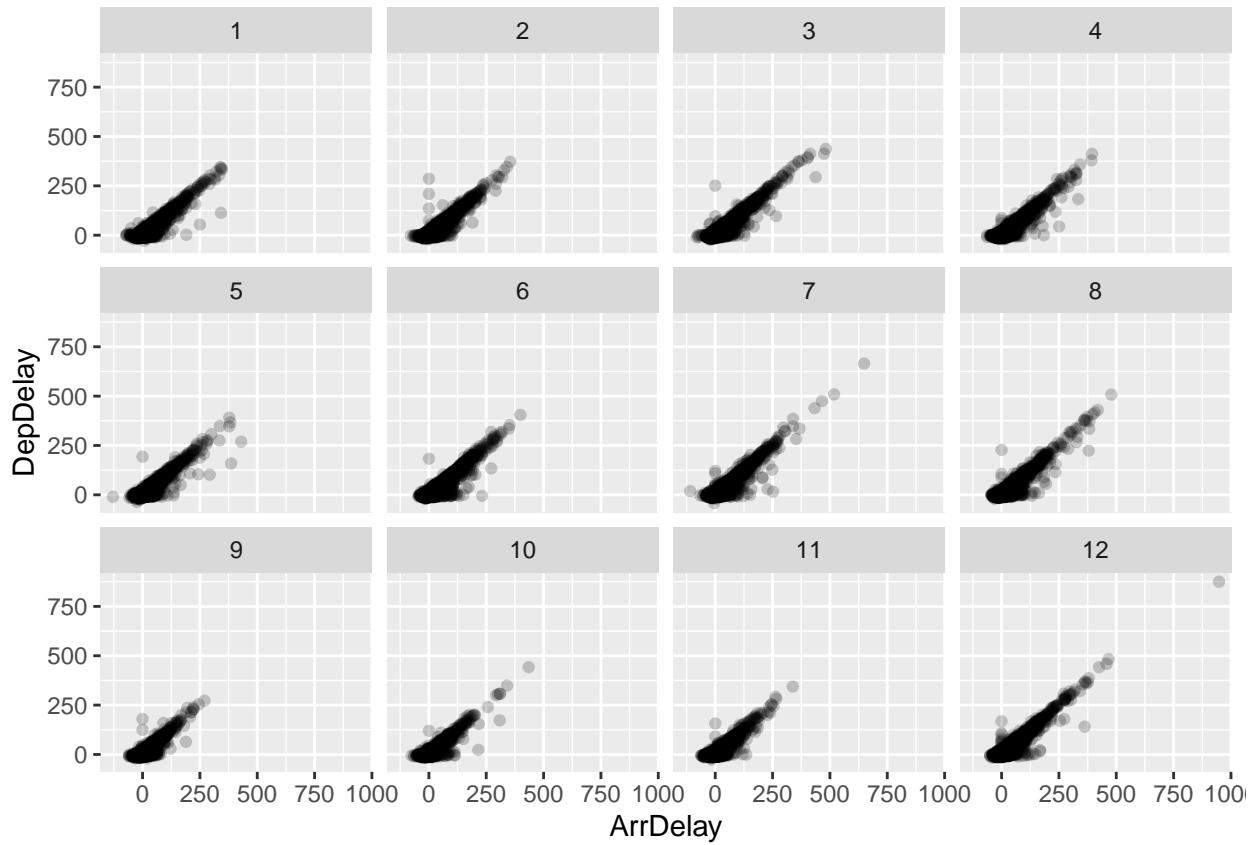
```
## Warning: Removed 26 rows containing non-finite values (stat_bin).
```

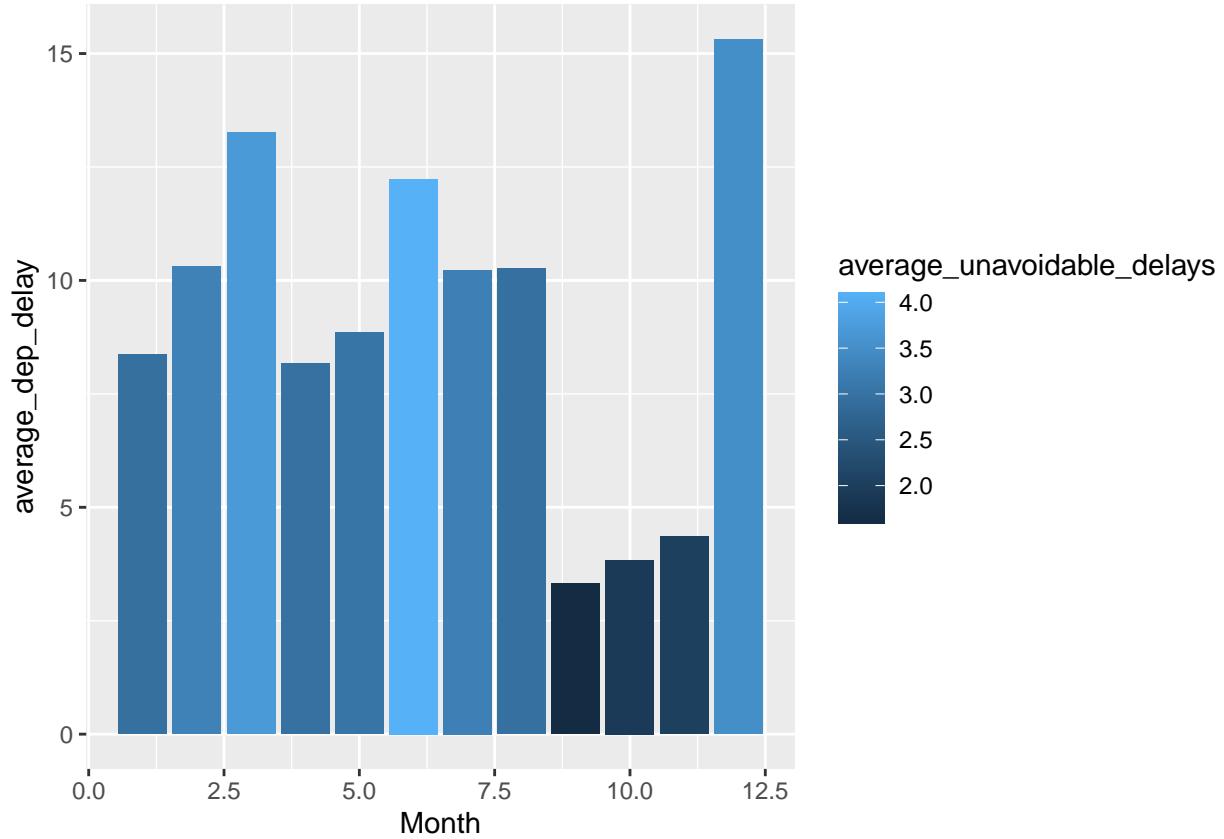
```
## Warning: Removed 8 rows containing missing values (geom_bar).
```

Facet wrap – Amenities



Question 2





Question 3

```

## Loading required package: xts

## Loading required package: zoo

##
## Attaching package: 'zoo'

## The following objects are masked from 'package:base':
##       as.Date, as.Date.numeric

##
## Attaching package: 'xts'

## The following objects are masked from 'package:dplyr':
##       first, last

## Loading required package: TTR

```

```

## Registered S3 method overwritten by 'quantmod':
##   method           from
##   as.zoo.data.frame zoo

## Registered S3 method overwritten by 'mosaic':
##   method           from
##   fortify.SpatialPolygonsDataFrame ggplot2

##
## The 'mosaic' package masks several functions from core packages in order to add
## additional features. The original behavior of these functions should not be affected by this.

##
## Attaching package: 'mosaic'

## The following object is masked from 'package:Matrix':
##   mean

## The following objects are masked from 'package:dplyr':
##   count, do, tally

## The following object is masked from 'package:purrr':
##   cross

## The following object is masked from 'package:ggplot2':
##   stat

## The following object is masked from 'package:DescTools':
##   MAD

## The following objects are masked from 'package:stats':
##   binom.test, cor, cor.test, cov, fivenum, IQR, median, prop.test,
##   quantile, sd, t.test, var

## The following objects are masked from 'package:base':
##   max, mean, min, prod, range, sample, sum

## 'getSymbols' currently uses auto.assign=TRUE by default, but will
## use auto.assign=FALSE in 0.5-0. You will still be able to use
## 'loadSymbols' to automatically load data. getOption("getSymbols.env")
## and getOption("getSymbols.auto.assign") will still be checked for
## alternate defaults.
##
## This message is shown once per session and may be disabled by setting
## options("getSymbols.warning4.0"=FALSE). See ?getSymbols for details.

```

```

## [1] "AAPL"  "GOOGL" "TXN"    "TSLA"

## Warning in read.table(file = file, header = header, sep = sep,
## quote = quote, : incomplete final line found by readTableHeader
## on 'https://query2.finance.yahoo.com/v7/finance/download/GOOGL?
## period1=-2208988800&period2=1628380800&interval=1d&events=div&crumb=6B.d6iXi0Ke'

## Warning in read.table(file = file, header = header, sep = sep,
## quote = quote, : incomplete final line found by readTableHeader
## on 'https://query2.finance.yahoo.com/v7/finance/download/GOOGL?
## period1=-2208988800&period2=1628380800&interval=1d&events=split&crumb=6B.d6iXi0Ke'

## Warning in read.table(file = file, header = header, sep = sep,
## quote = quote, : incomplete final line found by readTableHeader
## on 'https://query2.finance.yahoo.com/v7/finance/download/GOOGL?
## period1=-2208988800&period2=1628380800&interval=1d&events=split&crumb=6B.d6iXi0Ke'

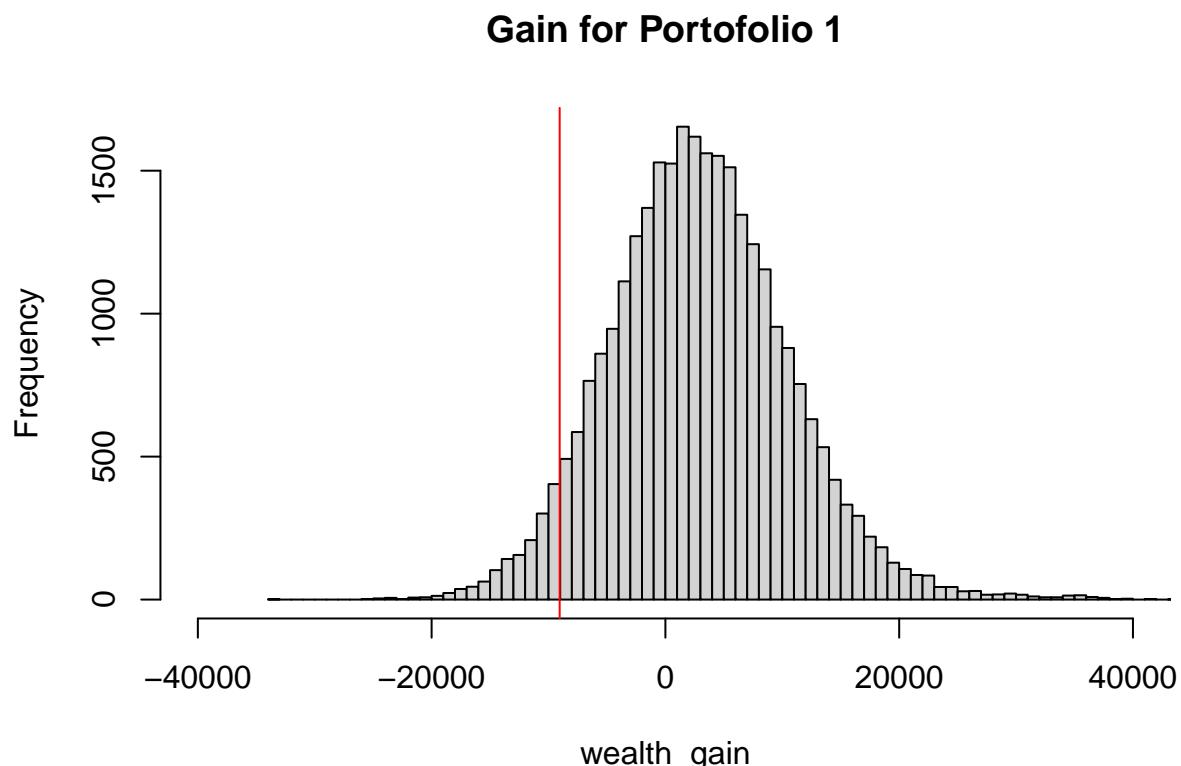
## Warning in read.table(file = file, header = header, sep = sep,
## quote = quote, : incomplete final line found by readTableHeader
## on 'https://query1.finance.yahoo.com/v7/finance/download/TSLA?
## period1=-2208988800&period2=1628380800&interval=1d&events=div&crumb=6B.d6iXi0Ke'

## Warning in read.table(file = file, header = header, sep = sep,
## quote = quote, : incomplete final line found by readTableHeader
## on 'https://query1.finance.yahoo.com/v7/finance/download/TSLA?
## period1=-2208988800&period2=1628380800&interval=1d&events=split&crumb=6B.d6iXi0Ke'

## Warning in read.table(file = file, header = header, sep = sep,
## quote = quote, : incomplete final line found by readTableHeader
## on 'https://query2.finance.yahoo.com/v7/finance/download/TSLA?
## period1=-2208988800&period2=1628380800&interval=1d&events=split&crumb=6B.d6iXi0Ke'

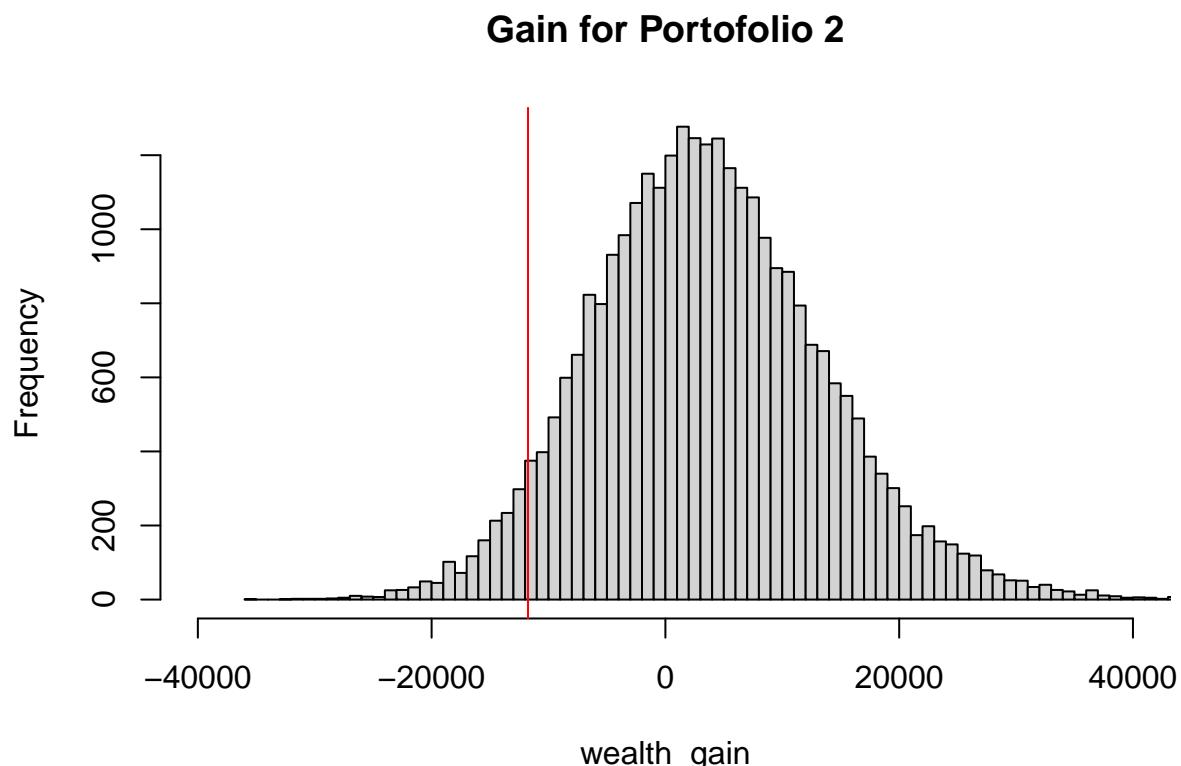
```

Portofolio 1



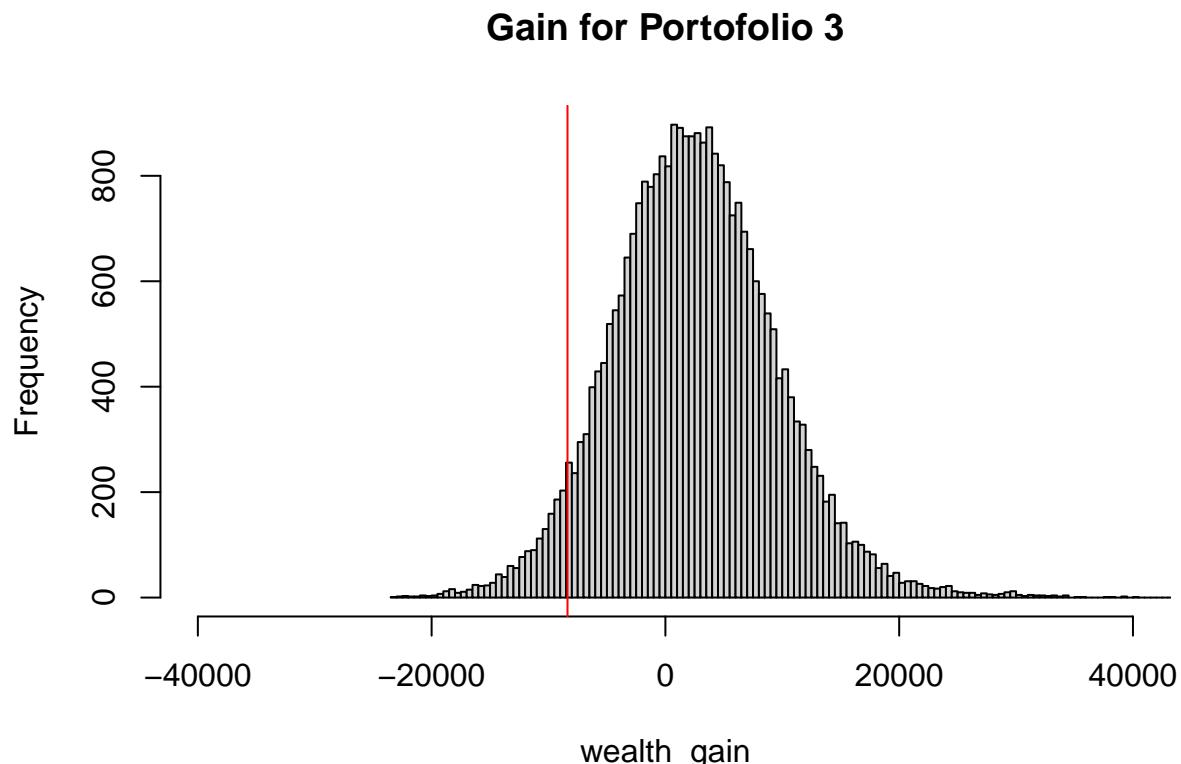
-9046.6949635

Portofolio 2



-1.1754327×10^4

Portofolio 3



-8374.8304696

Question 4