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Statistics 5193

*Please note, this document was created using Rmarkdown, and outputs are denoted with ## instead of '>'. Thank you!

Question 1

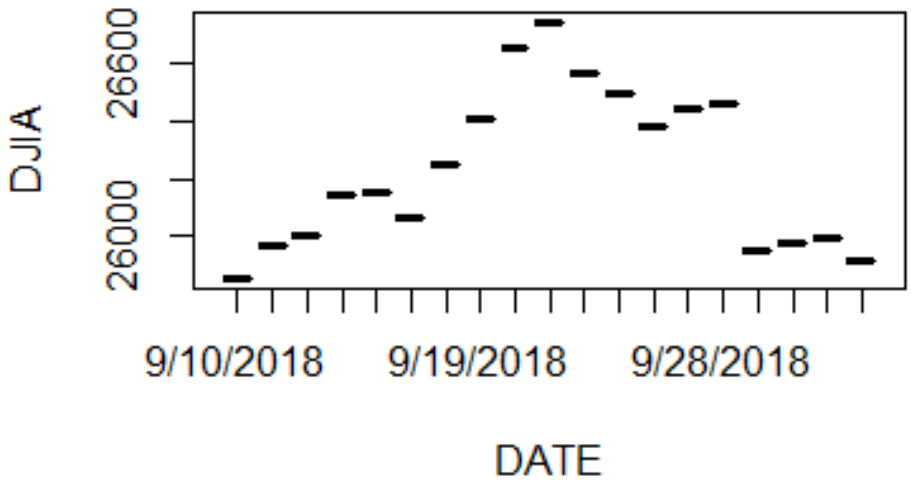
```
fra <- data.frame()
fra <- edit(fra)

?row.names()

row.names(fra) <- c("Jim", "Sam", "Sally")
fra
```

```
##       Exam.1 Exam.2
## Jim       80     75
## Sam       88     90
## Sally     40    100
```

Question 2

```
head(read.csv("~/Downloads/DJIA.csv", header=T), n=3)
plot(read.table("clipboard", header = T))
ls()
```

```
##         DATE     DJIA
## 1 2018-09-04 25952.48
## 2 2018-09-05 25974.99
## 3 2018-09-06 25995.87
```

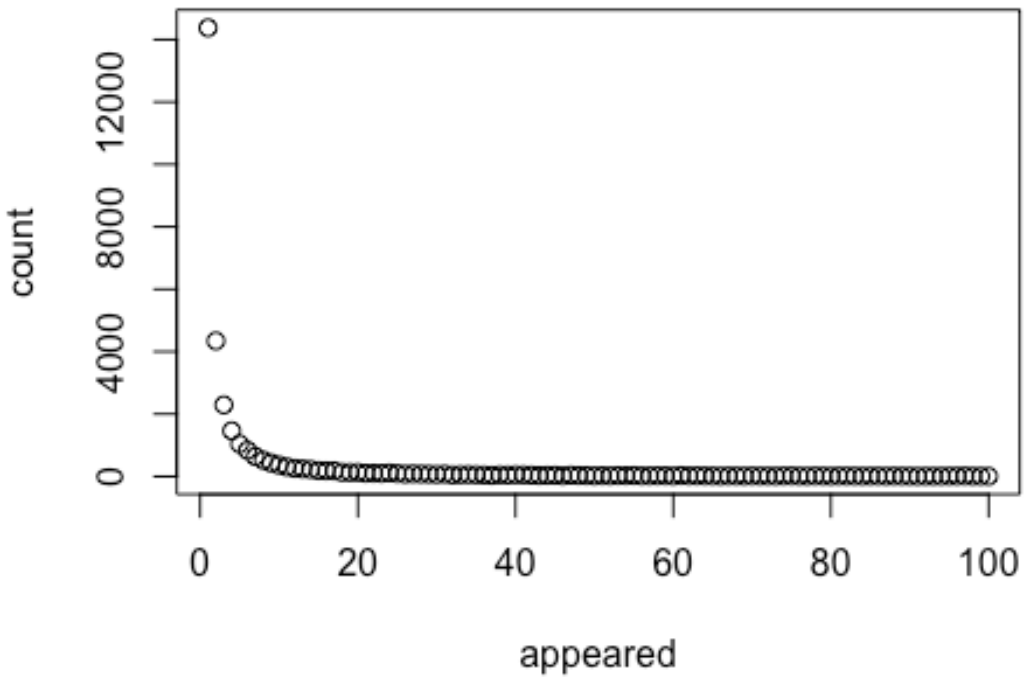



```
## [1] "fra"
```

Question 3

“14,376 distinct words appeared once each in the canon, 4343 distinct words twice each; The canon has 884,647 total words, counting repeats.”

```
plot(
  read.csv(
    url("https://web.stanford.edu/~hastie/CASI_files/DATA/shakespeare.txt"),
    sep = " ",
    header=T)
  )
```



Question 4

```
library(readxl)
StudentData <- read_excel("~/Downloads/StudentData.xlsx")
StudentData[1:3,]
```

```
##   Gender Class  HSClass TxtSent TxtRec Fbtime Pinterest Snapchat Introvert
##   <chr>  <chr>    <dbl>   <dbl>  <dbl>  <dbl> <chr>     <chr>        <dbl>
## 1 M      STAT2…       1       1      1     30 N         Y                8
## 2 M      STAT2…      15      10     15     20 N         Y                8
## 3 M      STAT2…      65     150    150     80 N         Y                1
```

Question 5

```
DNA <- data.frame(read.csv("~/Downloads/OrganicNitrogenDNA.csv", row.names =
1))
colnames(DNA) <- c(1:9)
DNA[1:2,]

write.csv(summary(DNA), file = "~/Documents/DNA_summary.txt")
```

```
##             1   2    3   4    5    6    7    8   9
## Otu00001 1402 967 1596 995 2078 1239 1108 1569 607
## Otu00002 1265 786  730 615 1729 1078  854 1045 462
```