Lab_10

izd3

Use only commands & functions that are shown in the indicated chapter or prior chapters.

Problem #01 - Chapter 39 Exercise #1A

```
# Show your work here
library(stringr)

## Warning: package 'stringr' was built under R version 4.2.3

senlen<-str_subset(string = sentences,pattern = 'the')
head(senlen,n=10)

##  [1] "The birch canoe slid on the smooth planks."
##  [2] "Glue the sheet to the dark blue background."
##  [3] "It's easy to tell the depth of a well."
##  [4] "The box was thrown beside the parked truck."
##  [5] "The boy was there when the sun rose."
##  [6] "The source of the huge river is the clear spring."
##  [7] "Kick the ball straight and follow through."
##  [8] "Help the woman get back to her feet."
##  [9] "A pot of tea helps to pass the evening."
## [10] "The soft cushion broke the man's fall."

length(senlen)

## [1] 408
```

Problem #02 - Chapter 40 Exercise #1A

```r
# Show your work here
senlen<-str_subset(string = sentences,pattern='ch[aeiou]')
head(senlen,n=10)
```

```
##  [1] "These days a chicken leg is a rare dish."
##  [2] "The hogs were fed chopped corn and garbage."
##  [3] "Mesh wire keeps chicks inside."
##  [4] "The set of china hit the floor with a crash."
##  [5] "The ripe taste of cheese improves with age."
##  [6] "Bring your problems to the wise chief."
##  [7] "Write a fond note to the friend you cherish."
##  [8] "The jacket hung on the back of the wide chair."
##  [9] "The child almost hurt the small dog."
## [10] "A young child should not suffer fright."
```

```r
length(senlen)
```

```
## [1] 51
```

Problem #03 - Chapter 38 Exercise 2A

```r
# Show your work here
library(lubridate)
```

```
## Warning: package 'lubridate' was built under R version 4.2.3
```

```
##
## Attaching package: 'lubridate'
```

```
## The following objects are masked from 'package:base':
##
##     date, intersect, setdiff, union
```

```r
Dates002.tib$dataData=make_date(year=Dates002.tib$A,month =
Dates002.tib$B,day = Dates002.tib$C)
Dates002.tib
```

```
## # A tibble: 10 × 4
##         A     B C     dataData
##     <int> <int> <chr> <date>
##  1  1926     6 07    1926-06-07
##  2  2008     9 05    2008-09-05
##  3  2012     8 05    2012-08-05
##  4  1985     6 24    1985-06-24
##  5  1917     9 18    1917-09-18
##  6  1990     2 24    1990-02-24
##  7  1939    11 21    1939-11-21
##  8  2002     7 27    2002-07-27
##  9  1997     6 01    1997-06-01
## 10  2012     8 18    2012-08-18
```

Problem #04 - Chapter 38 Exercise #5B

```r
# Show your work here
library(ggplot2)

## Warning: package 'ggplot2' was built under R version 4.2.3

Dates006.tib$dateData=ydm(Dates006.tib$dateData)
Dates006.tib|>

ggplot(mapping=aes(x=dateData,y=soilent,color=people))+geom_line()+facet_wrap
(~people)+
  scale_x_date(breaks = make_date(year=c(1900,2000,2020)),date_labels = '%Y')
```