

R Markdown to PDF and HTML

your name

2024-10-1

Math 2265 Catch-up

- Work as a group!
- You will need to replace "ans" or `your_answer` in the source code or answer questions
- Update your name in L3
- Make sure you save and `knit` your work (to html or pdf) before submitting it to Canvas

Question 0. Who are your group members? (List their first names should be sufficient)

Answer:

1. `<name_1>`
2. `<name_2>`

Load Packages

```
## Loading required package: airports
## Loading required package: cherryblossom
## Loading required package: usdata
```

If you need more time to get used to Markdown, use the Visual mode.

The icon is located in the upper-left corner next to `source`.

Task 1

Go to the data set list and choose one you are most interested in:

<https://www.openintro.org/data/>

Use `str` and `head` to checkout the dataset.

```
str(absenteeism)

## tibble [146 x 5] (S3: tbl_df/tbl/data.frame)
## $ eth : Factor w/ 2 levels "A","N": 1 1 1 1 1 1 1 1 1 1 ...
## $ sex : Factor w/ 2 levels "F","M": 2 2 2 2 2 2 2 2 2 2 ...
## $ age : Factor w/ 4 levels "F0","F1","F2",...: 1 1 1 1 1 1 1 1 2 2 ...
## $ lrn : Factor w/ 2 levels "AL","SL": 2 2 2 1 1 1 1 1 2 2 ...
## $ days: int [1:146] 2 11 14 5 5 13 20 22 6 6 ...

head(absenteeism)
```

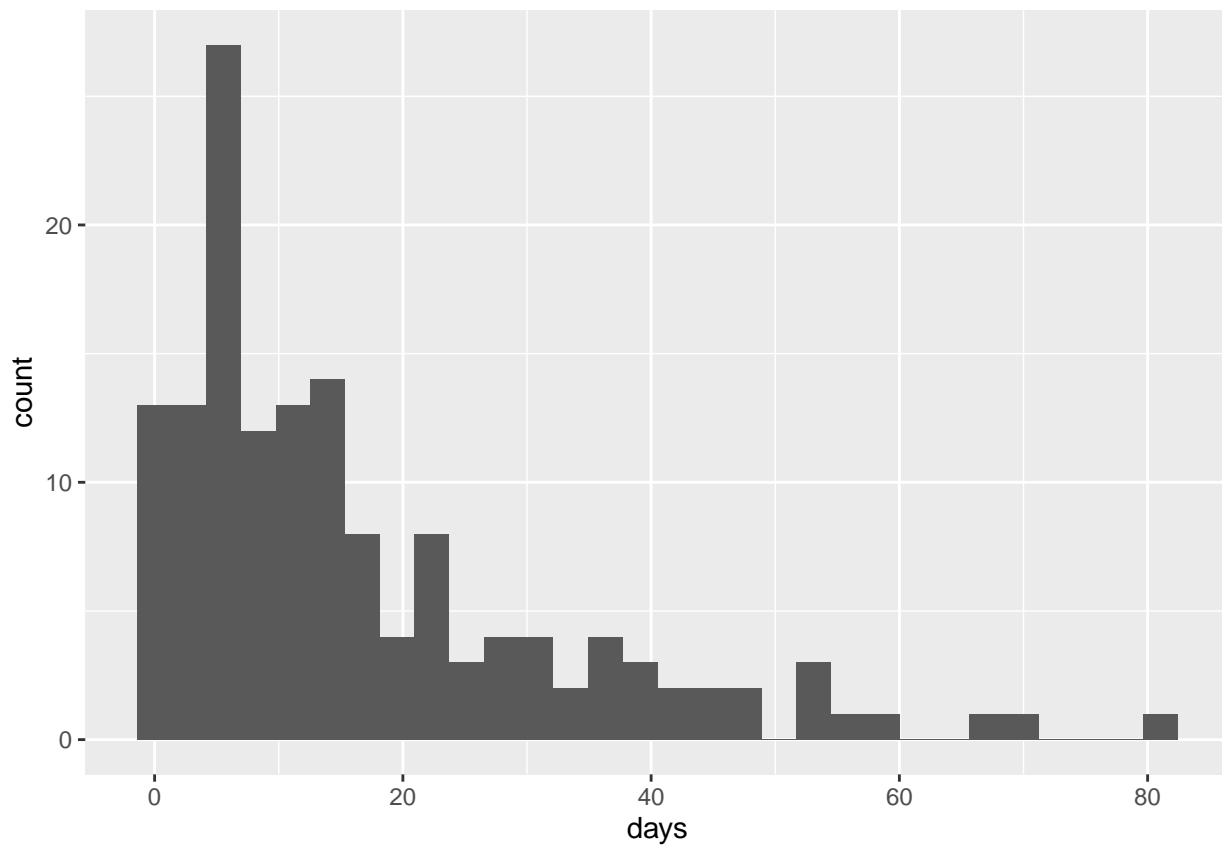
```
## # A tibble: 6 x 5
##   eth   sex  age  lrn   days
##   <fct> <fct> <fct> <fct> <int>
## 1 A     M    F0   SL     2
## 2 A     M    F0   SL    11
## 3 A     M    F0   SL    14
## 4 A     M    F0   AL     5
## 5 A     M    F0   AL     5
## 6 A     M    F0   AL    13
```

Task 2

Choose a numerical variable and plot its histogram.

```
ggplot(data=absenteeism, aes(x=days)) +
  geom_histogram()
```

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



Task 3

Choose a categorical variable and make a table.

```
table(absenteeism$sex)
```

```
##
##  F  M
## 80 66
```

Task 4. Knit your code and check your outcomes.

You are only allowed to upload pdf or html

Share your work and help your group members before uploading your work to Canvas