LA.3.R

Sara (local)

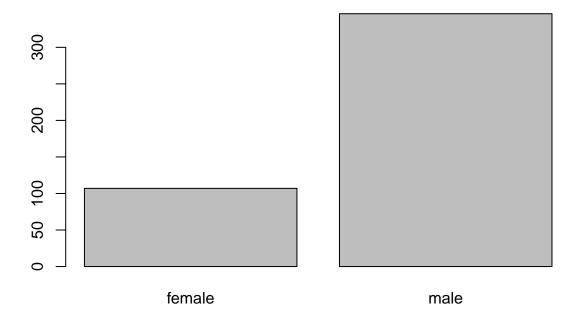
2021-02-16

```
## LA.3: Examining Data
## Student Name
## Load packages
library(tidyverse)
## -- Attaching packages ------ tidyverse 1.3.0 --
## v ggplot2 3.3.3 v purrr 0.3.4

## v tibble 3.0.6 v dplyr 1.0.4

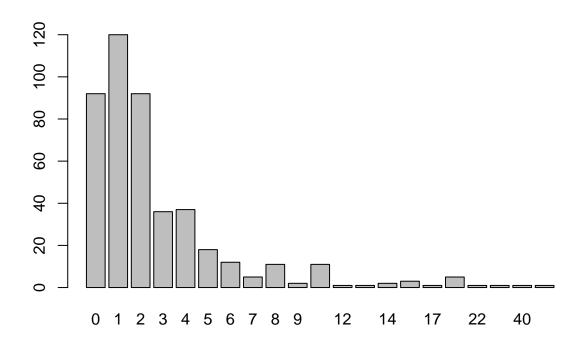
## v tidyr 1.1.2 v stringr 1.4.0

## v readr 1.4.0 v forcats 0.5.1
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag() masks stats::lag()
library(descr)
## Set working directory
setwd("C:/Users/SaraK/Downloads/sarakyeo.github.io/COMM-3710/LA")
## 1. Load dataset
hdata <- read.csv("HELP.csv") # load HELP.csv
        # loaded data of 453 observations of 27 variables
## 2. Make frequency tables for sex and d1
freq(hdata$sex) # freq table for sex
```

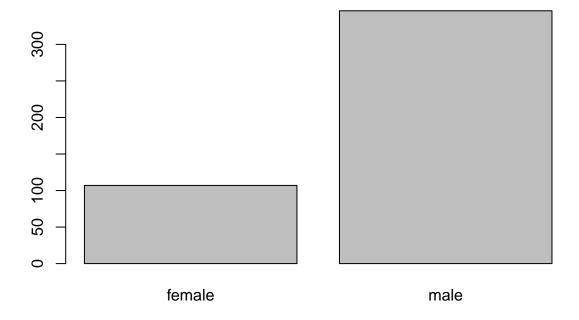


```
## hdata$sex
## Frequency Percent
## female 107 23.62
## male 346 76.38
## Total 453 100.00
```

freq(hdata\$d1) # freq table for d1

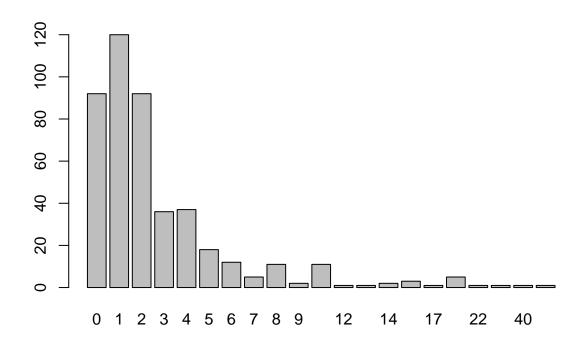


##	hdata\$d1		
##		Frequency	Percent
##	0	92	20.3091
##	1	120	26.4901
##	2	92	20.3091
##	3	36	7.9470
##	4	37	8.1678
##	5	18	3.9735
##	6	12	2.6490
##	7	5	1.1038
##	8	11	2.4283
##	9	2	0.4415
##	10	11	2.4283
##	12	1	0.2208
##	13	1	0.2208
##	14	2	0.4415
##	15	3	0.6623
##	17	1	0.2208
##	20	5	1.1038
##	22	1	0.2208
##	36	1	0.2208
##	40	1	0.2208
##	100	1	0.2208
##	Total	453	100.0000



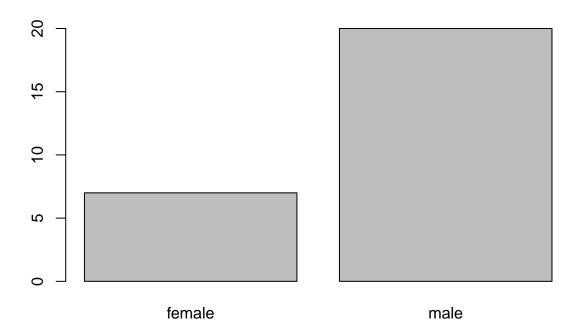
```
## hdata$sex
## Frequency Percent
## female 107 23.62
## male 346 76.38
## Total 453 100.00
```

2b. How many have never been hospitalized for medical problems?
freq(hdata\$d1) # 92 have never been hospitalized for medical problems



##	hdata\$d1		
##		Frequency	Percent
##	0	92	20.3091
##	1	120	26.4901
##	2	92	20.3091
##	3	36	7.9470
##	4	37	8.1678
##	5	18	3.9735
##	6	12	2.6490
##	7	5	1.1038
##	8	11	2.4283
##	9	2	0.4415
##	10	11	2.4283
##	12	1	0.2208
##	13	1	0.2208
##	14	2	0.4415
##	15	3	0.6623
##	17	1	0.2208
##	20	5	1.1038
##	22	1	0.2208
##	36	1	0.2208
##	40	1	0.2208
##	100	1	0.2208
##	Total	453	100.0000

```
## 2c. What percentage of patients in the study have been hospitalized fewer
## than 5 times?
lessfive <- (92 + 120 + 92 + 36 + 37) / 453
lessfive # 83.2%
## [1] 0.8322296
## 3. Subset data to incl substance == cocaine and over 40 years old</pre>
```



```
## Frequency Percent
## female 7 25.93
## male 20 74.07
## Total 27 100.00

## 4a. 27 patients are at least 40 years old and have cocaine listed as his/her
## primary abuse substance.

## 4b. 74.07% patients are at least 40 years old, have cocaine listed as his/her
## primary abuse substance, and are male.
```

hsub\$sex