Lab_09

izd3

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

Problem #01 - Chapter 34 Exercise 1A

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

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

scalesGraph000+scale_fill_manual(values=c('red','white','black'),breaks =
c('n','c','s'),

labels=c('chips','nuts','sprinkles'),name='toppings')
```
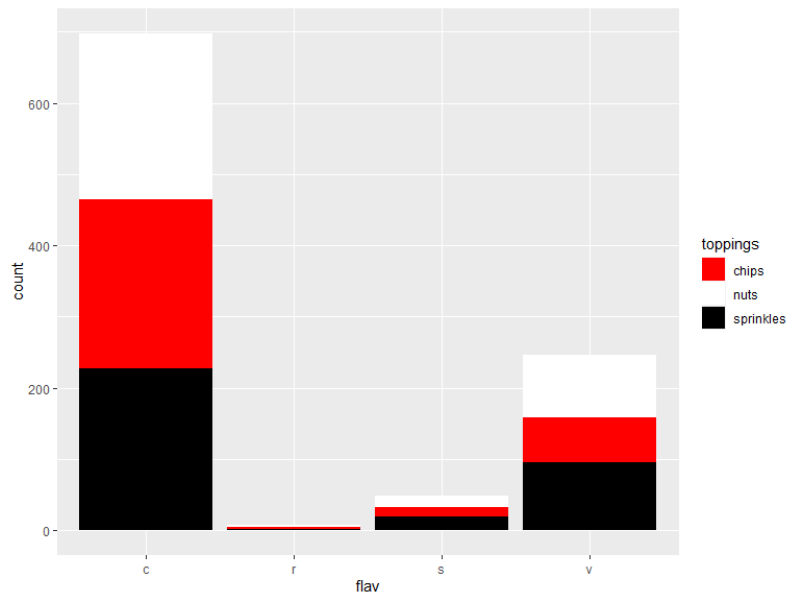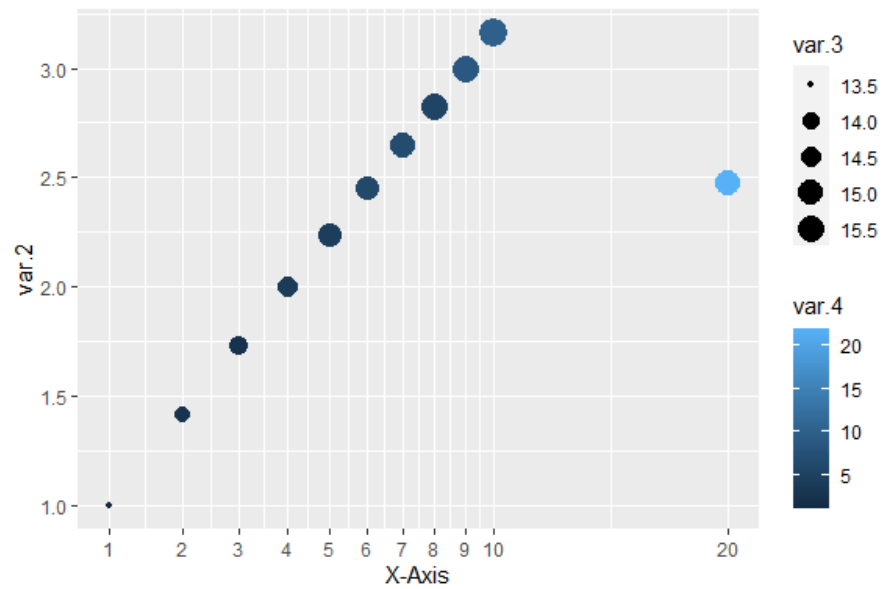
Problem #02 - Chapter 35 Exercise #1A

```
# Show your work here
scalesGraph002+scale_x_sqrt(name='X-Axis',breaks=c(1:10,20))
```

Problem #03 - Chapter 37 Exercise #1A

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

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

```r
facts<-factor(factorData001)
unclass(facts)
```

```
##  [1] 1 1 1 2 9 1 3 5 5 5 4 1 3 4 2 3 2 6 8 1 3 9 2 6 2 7 2 4 1 1 9 5 8 5 6
## 2 3 1
## [39] 6 6 1 5 3 4 5 2 4 6 1 9
## attr(,"levels")
## [1] "a" "c" "d" "e" "f" "g" "h" "i" "j"
```

```r
table(facts)
```

```
## facts
##  a  c  d  e  f  g  h  i  j
## 11  8  6  5  7  6  1  2  4
```

Problem #04 - Chapter 37 Exercise #5A

```
# Show your work here

starfact<-data.frame(fact=fct_infreq(factorData005.fact))

starfact|>
  ggplot(mapping = aes(x=fact,fill=fact))+geom_bar()
```