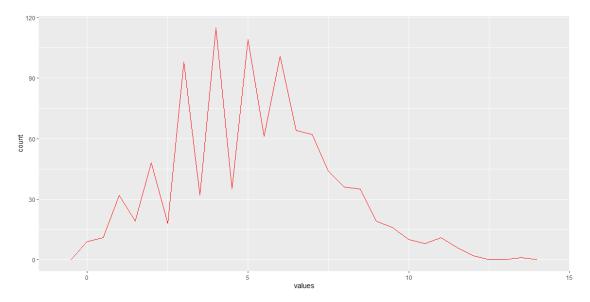
HW_08

izd3

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

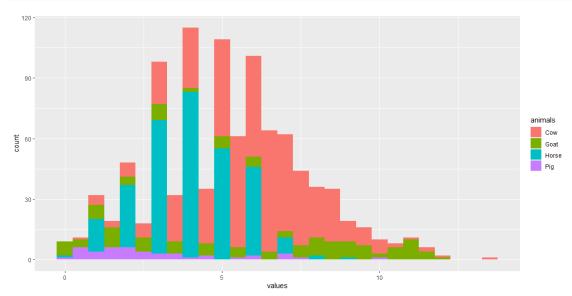
Problem #01 - Chapter 32 Exercise #01D

```
# Show your work here
library(ggplot2)
## Warning: package 'ggplot2' was built under R version 4.2.3
oneVariable001.dat|>
    ggplot(mapping = aes(x=values))+geom_freqpoly(stat = 'bin',binwidth=0.5,color='red')
```



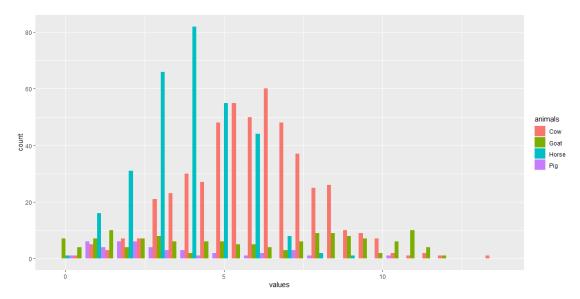
Problem #02 - Chapter 32 Exercise #02A

```
# Show your work here
oneVariable001.dat|>
    ggplot(mapping = aes(x=values,fill=animals))+geom_histogram(binwidth =
0.5,position = 'stack')
```



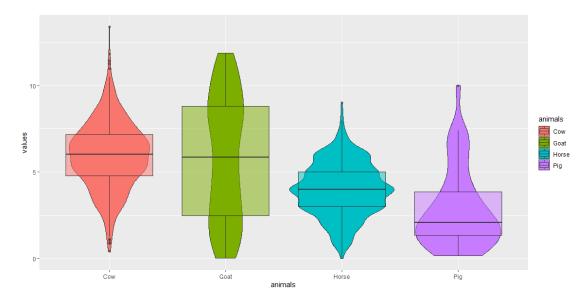
Problem #03 - Chapter 32 Exercise #03A

```
# Show your work here
oneVariable001.dat|>
    ggplot(mapping = aes(x=values,fill=animals))+
    geom_histogram(binwidth = 0.5,position = 'dodge')
```



Problem #04 - Chapter 32 Exercise #04B

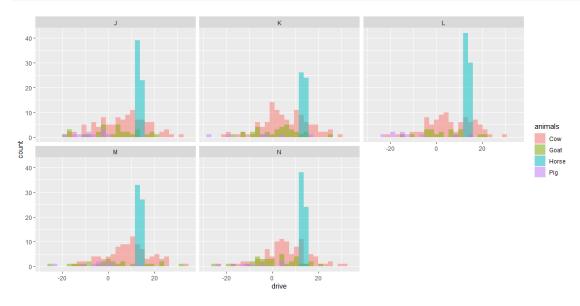
```
# Show your work here
oneVariable001.dat|>
ggplot(mapping = aes(x=animals,y=values,fill=animals))+geom_violin()+
geom_boxplot(alpha=0.5)
```



Problem #05 - Chapter 32 Exercise #04C

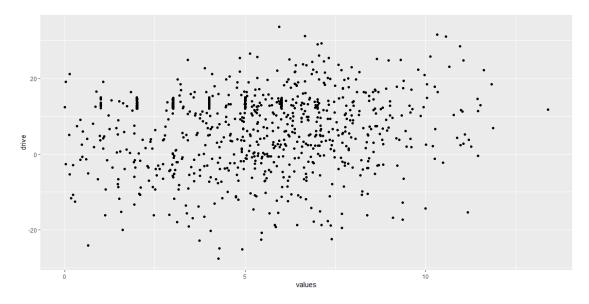
```
# Show your work here
oneVariable001.dat|>
    ggplot(mapping = aes(x=drive,fill=animals))+
    geom_histogram(position = 'identity',alpha=0.5)+
    facet_wrap(~flops)

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



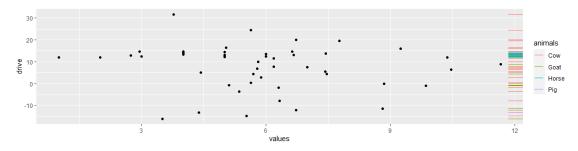
Problem #06 - Chapter 33 Exercise #01A

```
# Show your work here
oneVariable001.dat|>
ggplot(mapping = aes(x=values,y=drive))+geom_point()
```

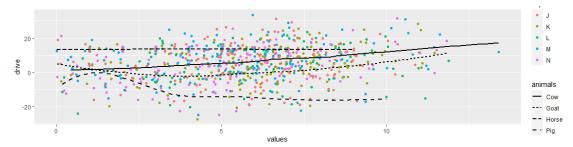


Problem #07 - Chapter 33 Exercise #02AC (Displayed Side-by-Side)

```
# Show your work here
oneVariable002.dat|>
ggplot(mapping = aes(x=values,y=drive))+geom_point()+
geom_rug(aes(color=animals),sides = 'r')
```



```
oneVariable001.dat|>
    ggplot(mapping = aes(x=values,y=drive,color=flops))+geom_point()+
    geom_smooth(aes(linetype=animals),se=F,color='black')
## `geom_smooth()` using method = 'loess' and formula = 'y ~ x'
```



Problem #08 - Chapter 33 Exercise #04 (Use Minard dataframes in HistData package)

