Assignment 1 Updates

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Notes:

The CSV file has **not been** edited.
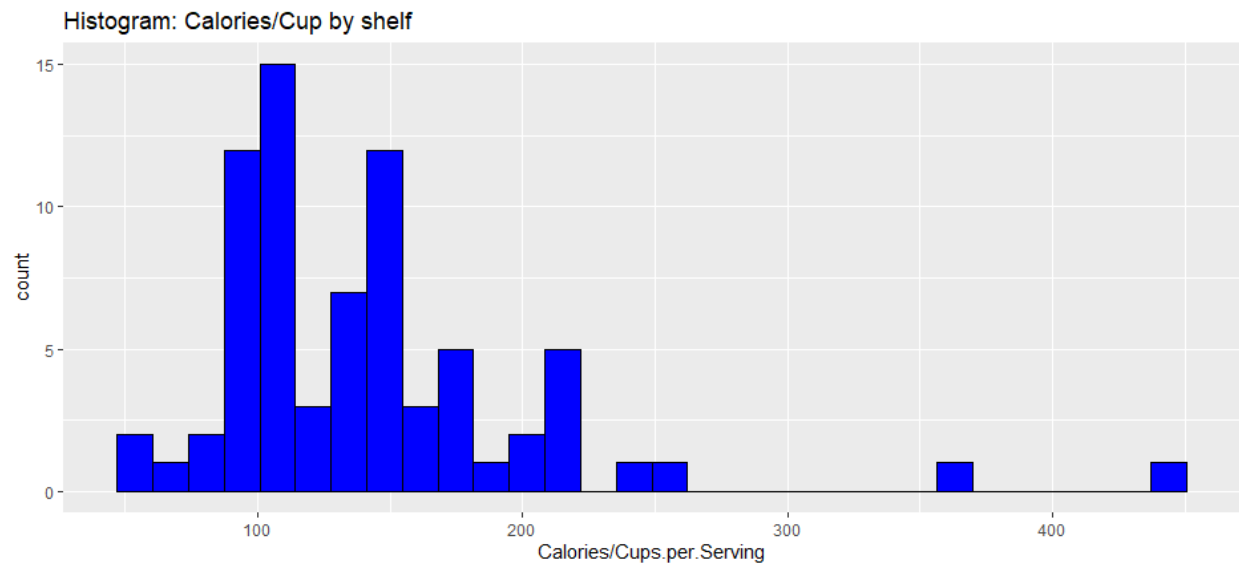
df <- read.csv("data/cereal.csv")

library(ggplot2)

For replacing negative values I've used the following:
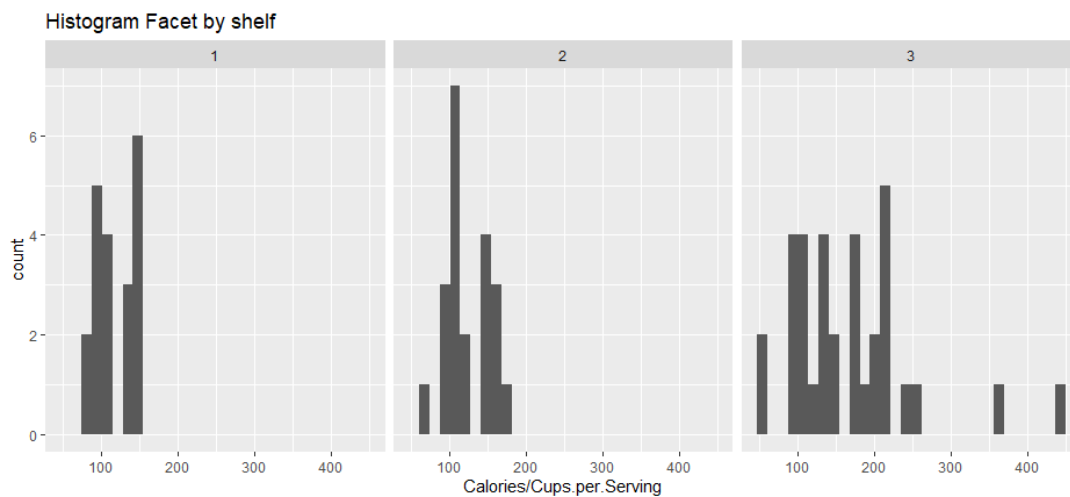
df[df<0] <- 1

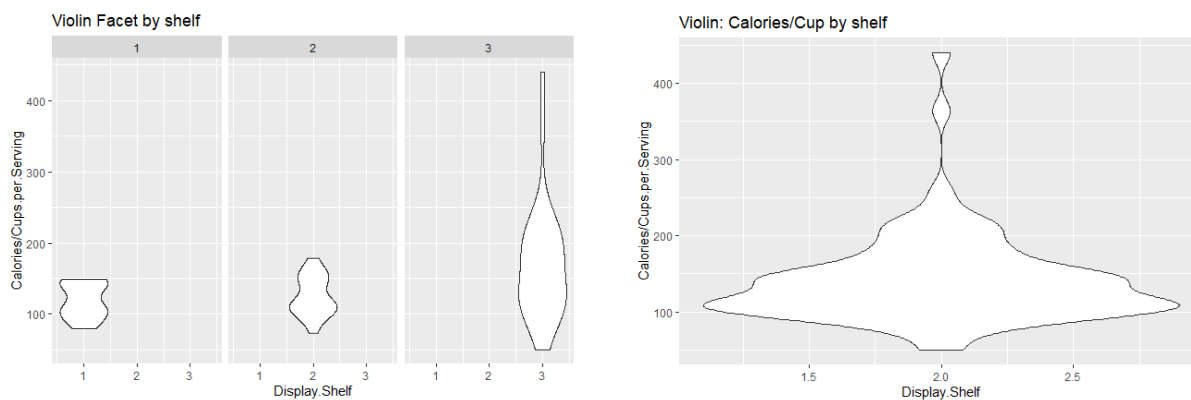*Histogram of calories_per_cup (computed element)*

Code:

ggplot(data=df,aes(x=Calories/Cups.per.Serving))+ggtitle("Histogram: Calories/Cup by shelf")+geom_histogram(colour='black',fill="blue")

Histogram of calories_per_cup faceted by Shelf

Histogram Facet by shelf

Code: h+facet_wrap(~Display.Shelf,nrow=1)+ggtitle('Histogram Facet by shelf') +
scale_fill_gradient(low="blue")

Violing


```
v <-ggplot(data=df,aes(x=Display.Shelf,y=Calories/Cups.per.Serving))+ggtitle("Calories/Cup by
shelf")+geom_violin()
v+facet_wrap(~Display.Shelf,nrow=1)+ggtitle('Violin Facet by shelf')
```