# Data Visualization

The CSV file has not been edited.

Import Data:

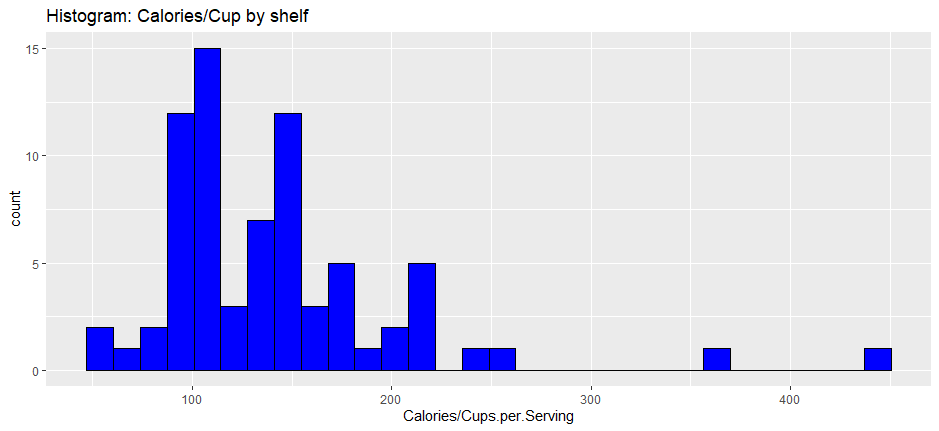
df <- read.csv("data/cereal.csv")

library(ggplot2)

For replacing negative values I’ve used the following:

df[df<0] <- 1

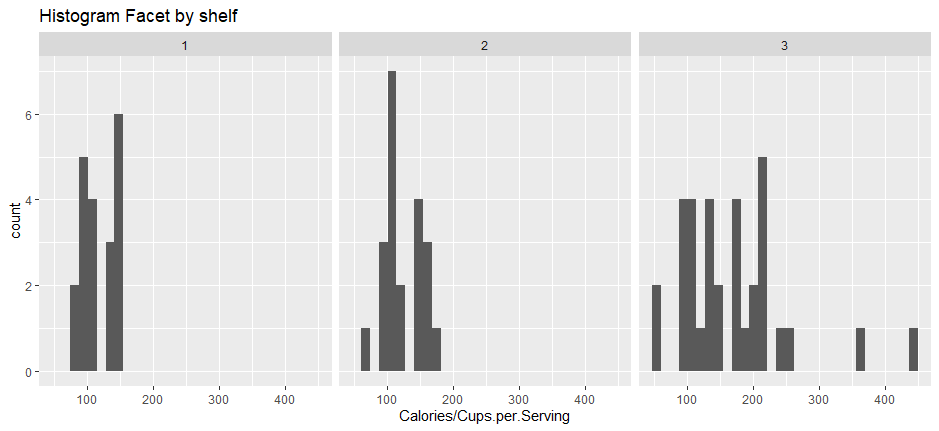
**Histogram of calories\_per\_cup (computed element)**



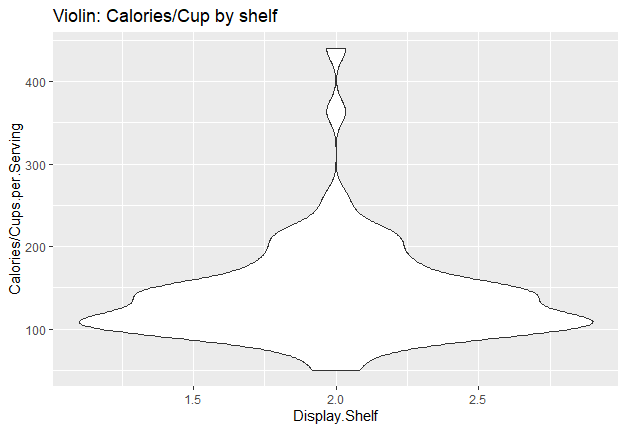
Code:

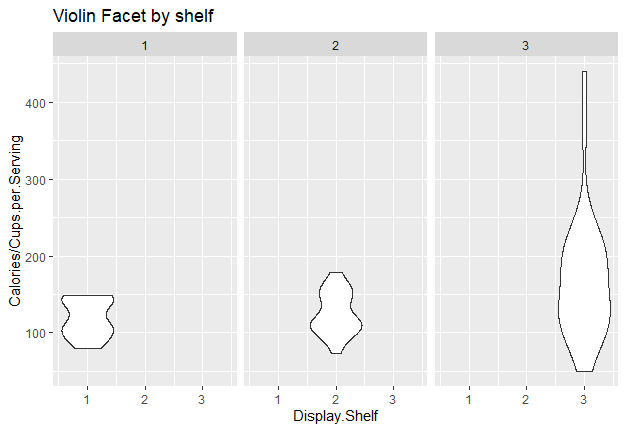
ggplot(data=df,aes(x=Calories/Cups.per.Serving))+ggtitle("Histogram: Calories/Cup by shelf")+geom\_histogram(colour='black',fill="blue")

**Histogram of calories\_per\_cup  faceted by Shelf**



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')