How to Make a Histogram in R

Download and install R (https://cloud.r-project.org) and RStudio Desktop (https://www.rstudio.com/products/rstudio/download/)

Open RStudio

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To install ggplot2:
> install.packages("ggplot2")
To load ggplot2:
> library(ggplot2)
To import your data:
> data1 <- read.csv(file.choose(), header=TRUE)</pre>
To see what the data looks like to R:
> View(data1)
To make a simple histogram:
> ggplot(data=data1, aes(data1$Length.um)) + geom_histogram()
To change bin width:
> ggplot(data=data1, aes(data1$SHAPE.length)) +
geom_histogram(breaks=seq(0, 10, by=1))
To adjust colors:
> ggplot(data=data1, aes(data1$SHAPE.length)) +
geom_histogram(breaks=seq(0, 10, by=1), col = "blue", fill =
"green")
To add labels:
> ggplot(data=data1, aes(data1$SHAPE.length)) +
geom_histogram(breaks=seq(0, 10, by=1), col = "blue", fill =
 green")
      + labs(title = "TrmB + Glucose", x = "Length", y = "Count")
To change the tick marks on the x axis:
> ggplot(data=data1, aes(data1$Length.um)) +
geom_histogram(breaks=seq(0, 10, by=1), col = "blue", fill =
"green") + labs(title = "TrmB + Glucose", x = "Length(um)", y =
"Count")
      + scale_x_continuous(breaks=seg(0,10,1))
```

Export your plot

