Diamond sizes

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2023

#The include = FALSE function hides both the code and output in my output document  
  
#You need to install these packages first to be able to use the functions within them. You can install them from the Tools tab or write a new code chunk: install.packages("package\_name").   
library(ggplot2)  
library(dplyr)

##   
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':  
##   
## filter, lag

## The following objects are masked from 'package:base':  
##   
## intersect, setdiff, setequal, union

#this next line is creating a subset called 'small' of the diamonds data  
small <- diamonds %>%   
 filter(carat <= 2)

We have data about 53940 diamonds. Only 1889 are larger than 2 carats. The distribution of the remainder is shown below:

small %>%   
 ggplot(aes(carat)) +   
 geom\_freqpoly(binwidth = 0.01)

