

Diamond sizes

Wahed Khan

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)
```

