

RStudio

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Untitled1* x Untitled3* x Untitled4* x Untitled5* x Untitled6* x Untitled2* x Untitled7* x Untitled8* x

```
1 data <- c(11,13,13,15,15,16,19,20,20,20,21,21,22,23,24,30,40,45,45,45,71,72,73,75)
2 num_bin <- 4
3 bin_width<- (max(data)-min(data))/num_bin
4 bin_breaks <- seq(min(data),max(data)+bin_width,by = bin_width)
5 binned_mean <- tapply(data,cut(data,breaks=bin_breaks),mean)
6 binned_median <- tapply(data,cut(data,breaks=bin_breaks),median)
7 binned_boundaries <- as.numeric(cut(data,breaks = bin_breaks))
8 print(binned_mean)
```

8:19 (Top Level) R Script

Environment History Connections Tutorial

R Global Environment

Values

bin_breaks	num [1:6] 11 27 43 59 75 91
bin_width	16
binned_boundaries	num [1:24] NA 1 1 1 1 1 1 1 1 ...
binned_mean	num [1:5(1d)] 18.7 35 45 72.8 NA
binned_median	num [1:5(1d)] 20 35 45 72.5 NA
data	num [1:24] 11 13 13 15 15 16 19 20 20 20 ...
num_bin	4

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Console Terminal Background Jobs

```
R 4.3.1 ~ /> data <- c(11,13,13,15,15,16,19,20,20,20,21,21,22,23,24,30,40,45,45,45,71,72,73,75)
> data <- c(11,13,13,15,15,16,19,20,20,20,21,21,22,23,24,30,40,45,45,45,71,72,73,75)
> num_bin <- 4
> bin_width<- (max(data)-min(data))/num_bin
> bin_breaks <- seq(min(data),max(data)+bin_width,by = bin_width)
> binned_mean <- tapply(data,cut(data,breaks=bin_breaks),mean)
> binned_median <- tapply(data,cut(data,breaks=bin_breaks),median)
> binned_boundaries <- as.numeric(cut(data,breaks = bin_breaks))
> print(binned_mean)
(11,27] (27,43] (43,59] (59,75] (75,91]
18.71429 35.00000 45.00000 72.75000 NA
>
```