

# How can font size be changed in base R plots?

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## RECOMMENDED CITATION

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Font size in base R plots can be changed by utilizing the "cex" argument in the plot function. The "cex" argument allows for the adjustment of the overall size of text, symbols, and lines in a plot. By specifying a value for "cex", the font size can be increased or decreased accordingly. Additionally, the "cex.axis" and "cex.lab" arguments can be used to specifically change the font size of axis labels and plot labels, respectively. These options provide a simple and efficient way to customize the font size in base R plots.

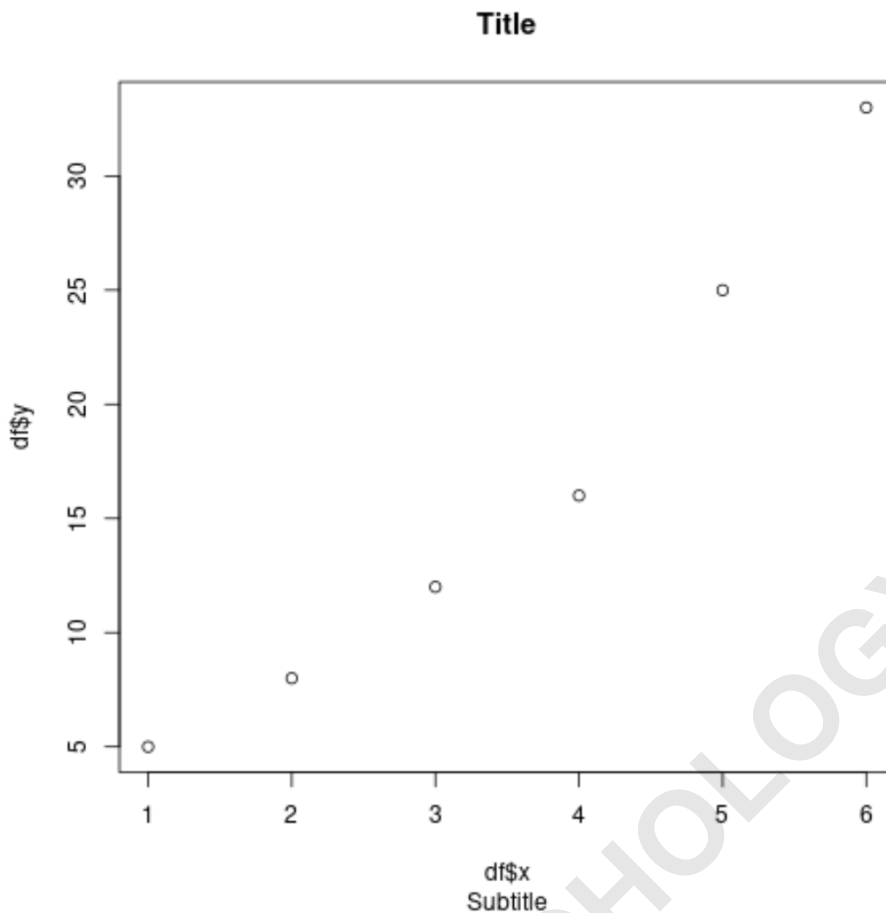
## The Complete Guide: Change Font Size in Base R Plots

You can use the following syntax to change the font size of various elements in base R plots:

```
plot(df$x, df$y, main='Title', sub='Subtitle',  
cex.main=2, #change font size of title  
cex.sub=2, #change font size of subtitle  
cex.lab=2, #change font size of axis labels  
cex.axis=2) #change font size of axis text
```

The following examples show how to use this syntax with the following scatterplot in base R:

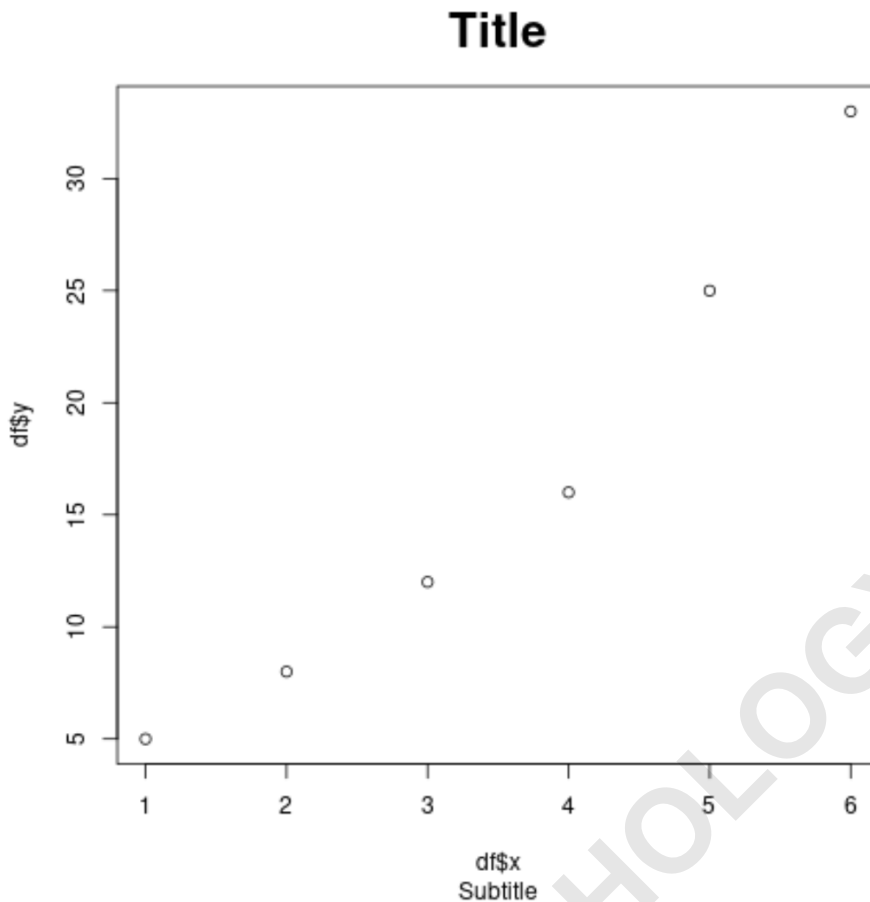
```
#create data frame  
df <- data.frame(x=c(1, 2, 3, 4, 5, 6),  
y=c(5, 8, 12, 16, 25, 33))  
  
#create scatterplot with all default font sizes  
plot(df$x, df$y, main='Title', sub='Subtitle')
```



### Example 1: Change Font Size of Title

The following code shows how to change the font size of the title of the plot:

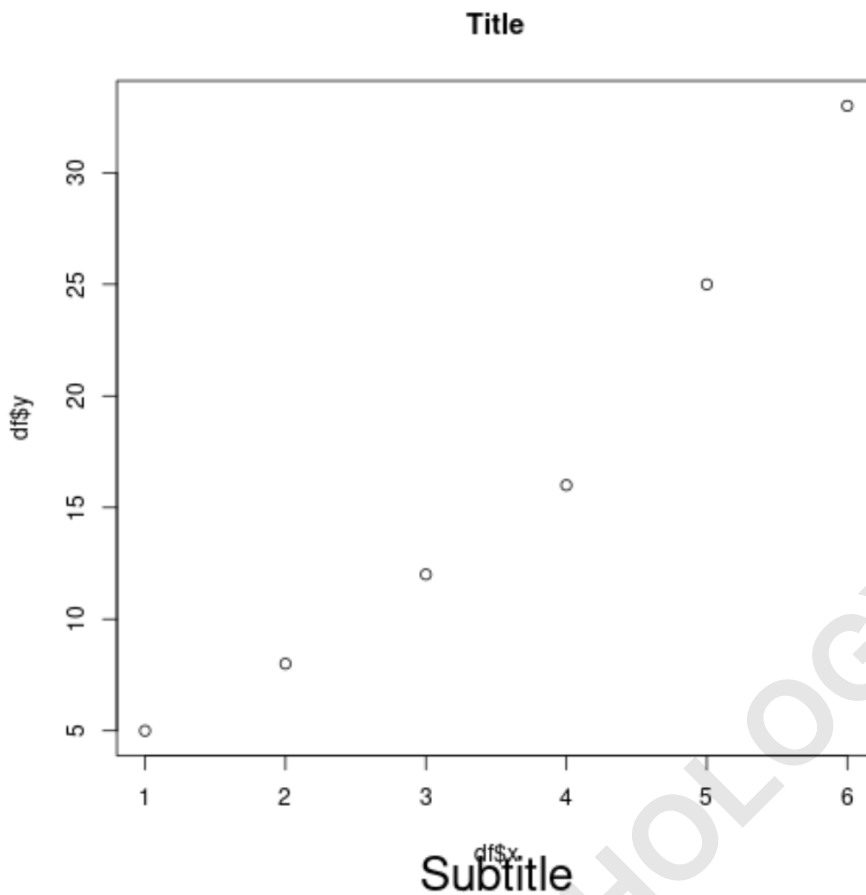
```
#create scatterplot with increased font size of title  
plot(df$x, df$y, main='Title', sub='Subtitle',  
cex.main=2)
```



### Example 2: Change Font Size of Subtitle

The following code shows how to change the font size of the subtitle of the plot:

```
#create scatterplot with increased font size of subtitle  
plot(df$x, df$y, main='Title', sub='Subtitle',  
cex.sub=2)
```



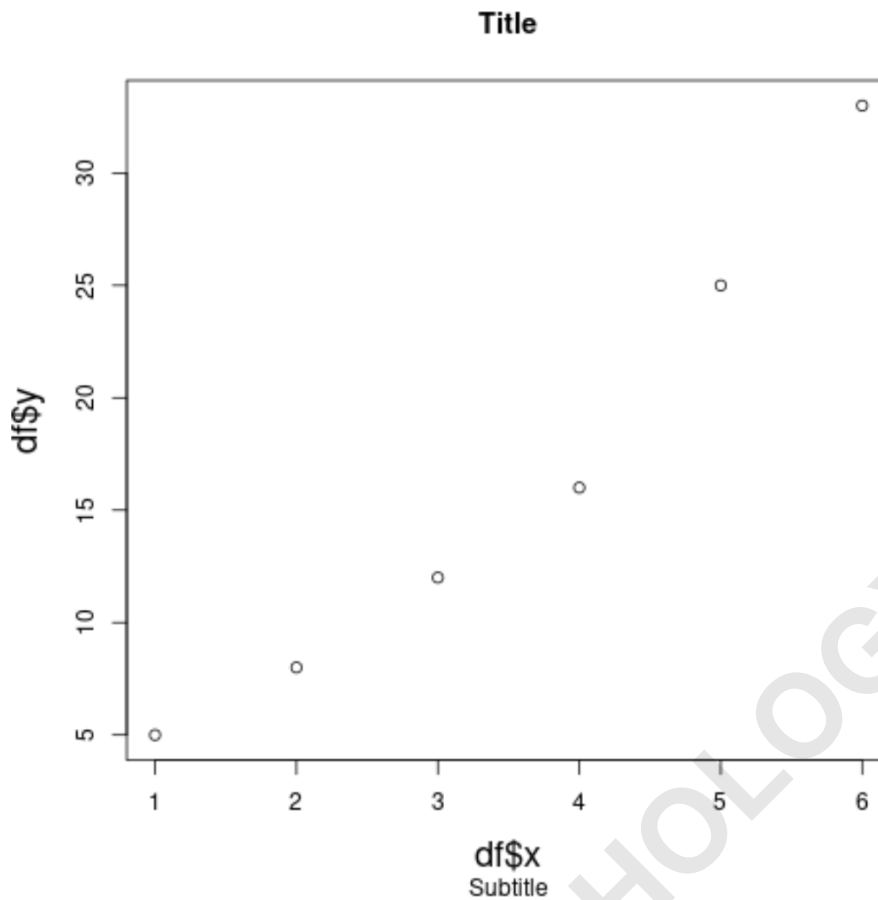
### Example 3: Change Font Size of Axis Labels

The following code shows how to change the font size of the axis labels of the plot:

```
#create scatterplot with increased font size of axis labels
```

```
plot(df$x, df$y, main='Title', sub='Subtitle'.
```

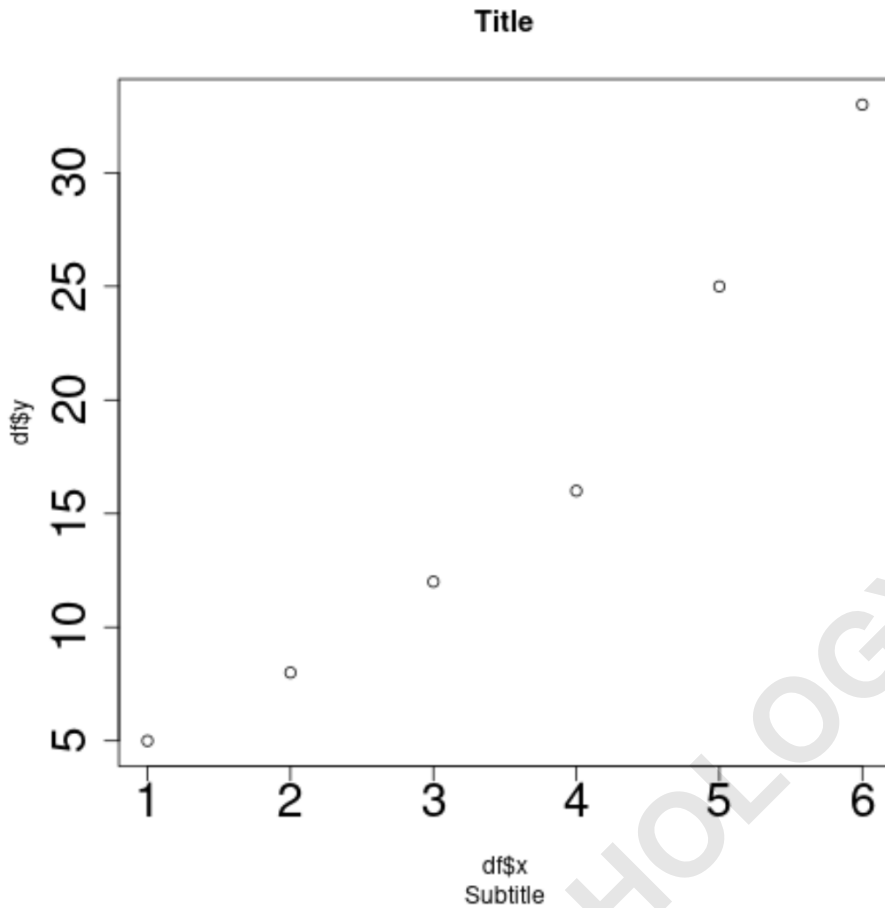
```
cex.lab=2)
```



#### Example 4: Change Font Size of Axis Text

The following code shows how to change the font size of the axis text of the plot:

```
#create scatterplot with increased font size of axis text  
plot(df$x, df$y, main='Title', sub='Subtitle',  
cex.axis=2)
```



**The following tutorials explain how to perform other common plotting operations in R:**