

# How can I change the title position in ggplot2?

Authored by  
**stats writer**

June 29, 2024

## RECOMMENDED CITATION

stats writer (2024). *How can I change the title position in ggplot2?*. PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=159100>

The process of adjusting the title position in ggplot2 involves using the "theme" function and specifying the desired position using the "plot.title" argument. This will allow for the title of the plot to be moved to the desired location, such as above or below the plot, to enhance its aesthetic appeal and improve readability. By making use of this feature, users can easily customize the position of the title in ggplot2 to best suit their needs and preferences.

## Change Title Position in ggplot2 (With Examples)

By default, the title of plots in are left-aligned.

However, you can use the following methods to change the title position:

### Method 1: Center the Title

```
some_ggplot +  
theme(plot.title = element_text(hjust = 0.5))
```

### Method 2: Right-Align the Title

```
some_ggplot +  
theme(plot.title = element_text(hjust = 1))
```

### Method 3: Adjust Title Position Vertically

```
some_ggplot +  
theme(plot.title = element_text(vjust = 10))
```

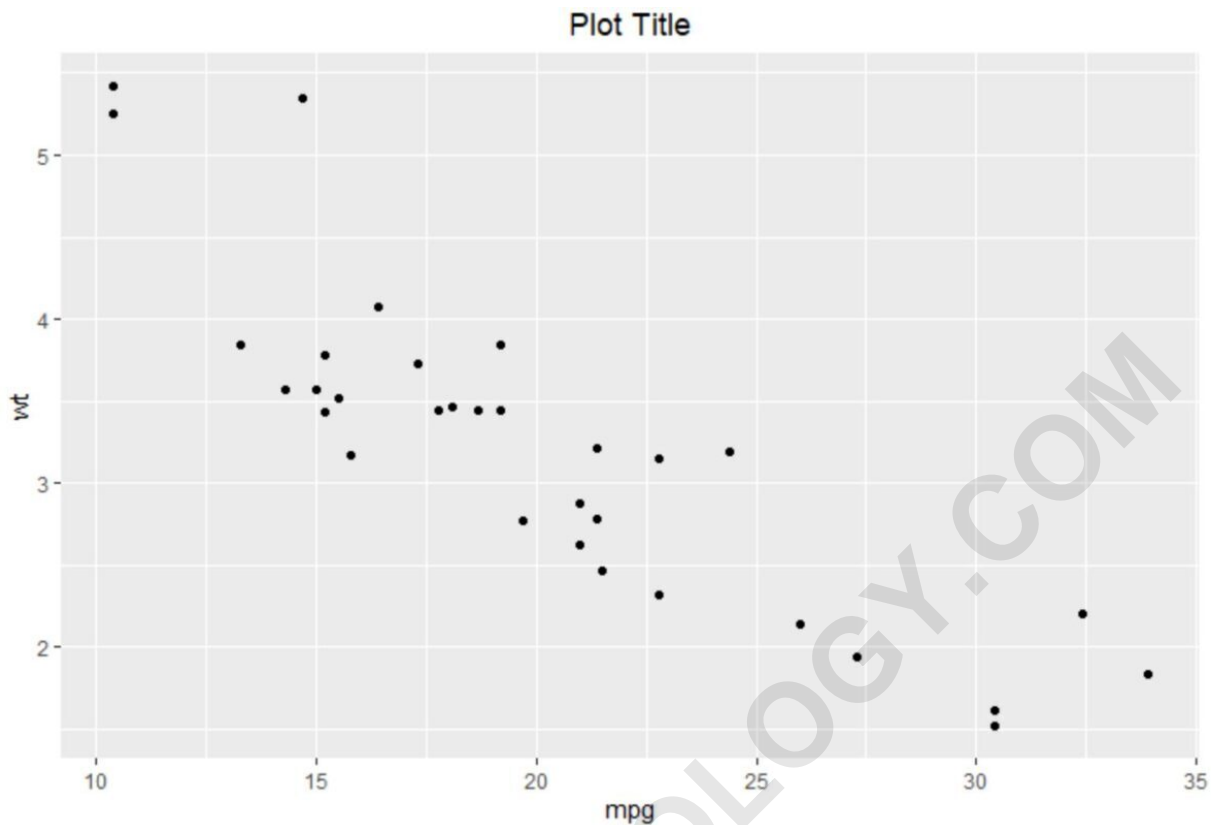
The following examples show how to use each method in practice with the built-in dataset in R.

#### Example 1: Center the Title

The following code shows how to create a scatterplot in ggplot2 and center the title using the hjust argument:

```
library(ggplot2)

#create scatterplot with centered title
ggplot(data=mtcars, aes(x=mpg, y=wt)) +
  geom_point() +
  ggtitle("Plot Title") +
  theme(plot.title = element_text(hjust = 0.5))
```



**Notice that the title is aligned in the center.**

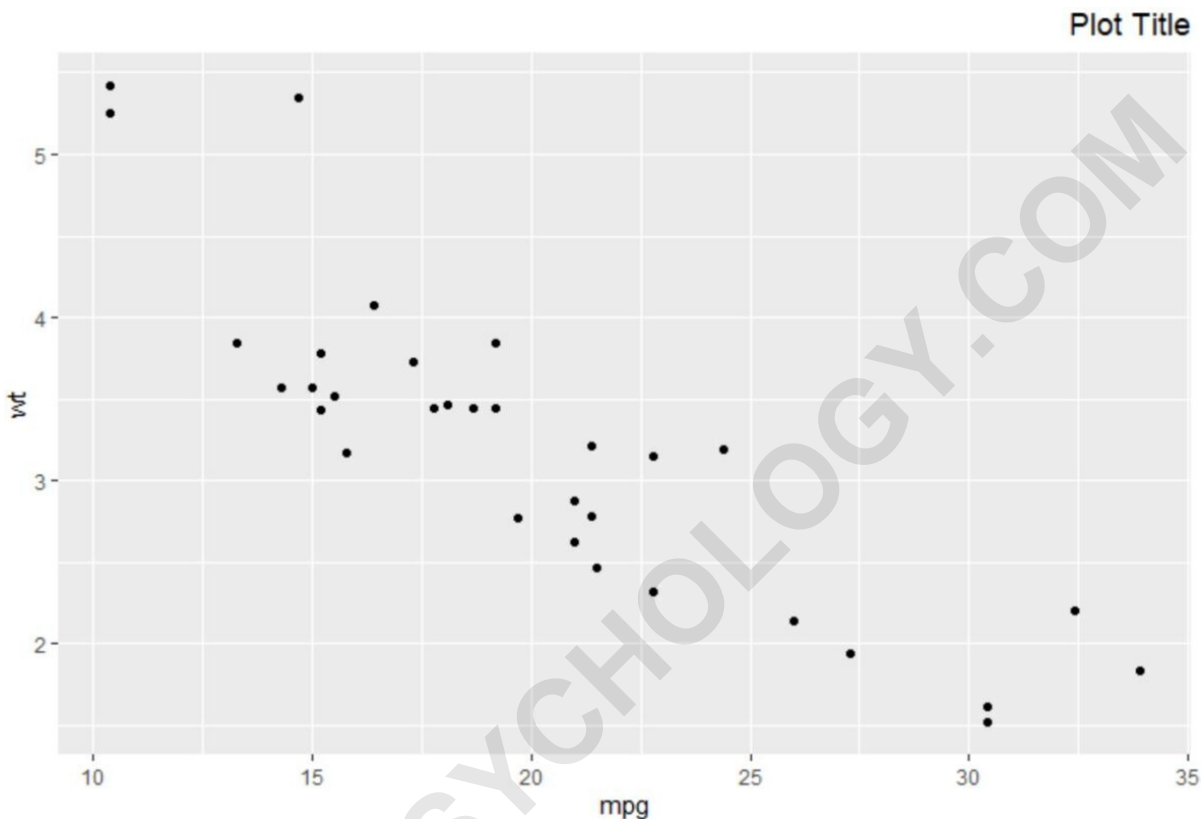
**Example 2: Right-Align the Title**

**The following code shows how to create a scatterplot in ggplot2 and right-align the title using the `hjust` argument:**

```
library(ggplot2)
```

```
#create scatterplot with right-aligned title  
ggplot(data=mtcars, aes(x=mpg, y=wt)) +  
geom_point() +
```

```
ggtitle("Plot Title") +  
theme(plot.title = element_text(hjust = 1))
```



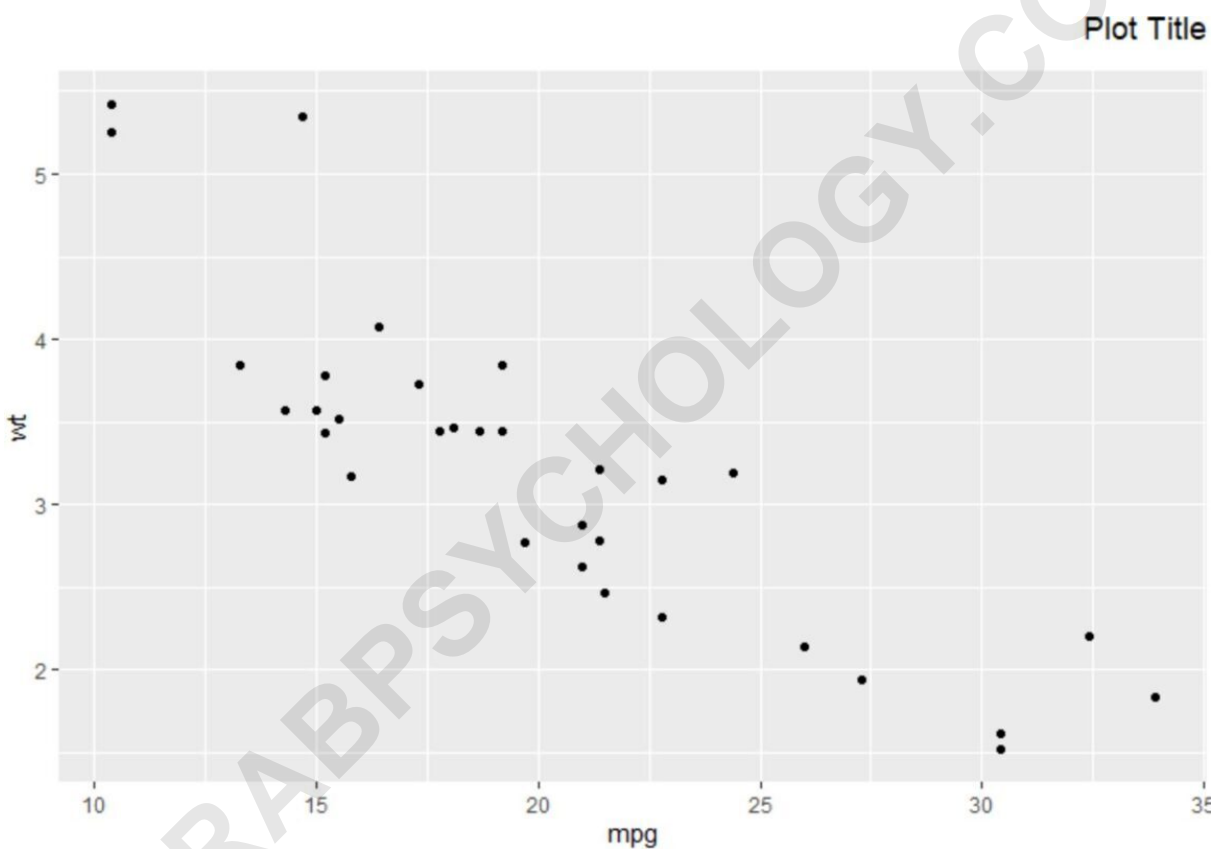
**Notice that the title is aligned to the right.**

**Example 3: Adjust Title Position Vertically**

**The following code shows how to create a scatterplot in ggplot2 and move the title higher up using the vjust argument:**

```
library(ggplot2)
```

```
#create scatterplot with title moved higher up  
ggplot(data=mtcars, aes(x=mpg, y=wt)) +  
geom_point() +  
ggtitle("Plot Title") +  
theme(plot.title = element_text(hjust = 1, vjust = 3))
```

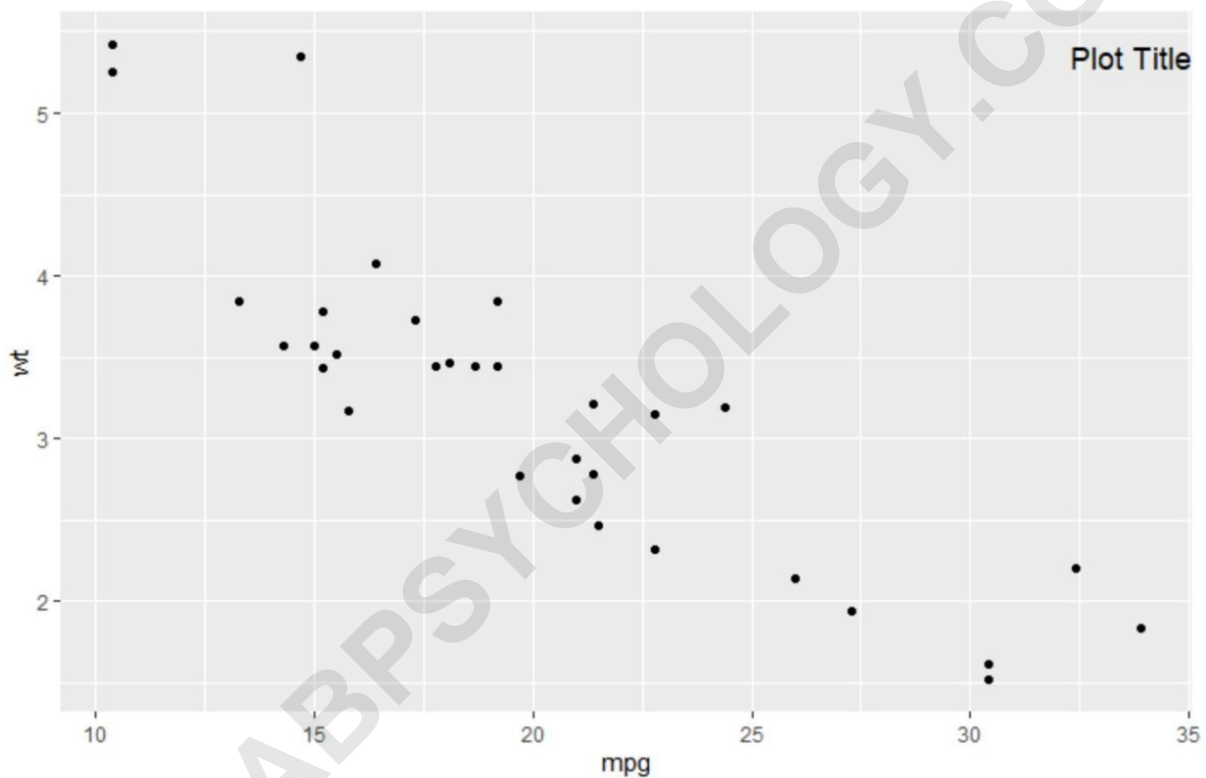


**Notice that the title is moved higher up.**

**You can also provide a negative value to the vjust argument to move the title lower down:**

```
library(ggplot2)
```

```
#create scatterplot with title moved down  
ggplot(data=mtcars, aes(x=mpg, y=wt)) +  
geom_point() +  
ggtitle("Plot Title") +  
theme(plot.title = element_text(hjust = 1, vjust = -10))
```



**Notice that the title is now moved inside the plot.**

#### Additional Resources

**The following tutorials explain how to perform other common operations in ggplot2:**