

# Can ggplot2 handle data of class uneval?

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## RECOMMENDED CITATION

stats writer (2024). *Can ggplot2 handle data of class uneval?*. PSYCHOLOGICAL SCALES.  
Retrieved from <https://scales.arabpsychology.com/?p=156413>

GGPlot2 is a powerful data visualization package in R that is capable of handling various types of data. Among these is the class "uneval", which refers to unevaluated expressions or objects in R. This means that GGPlot2 is able to process and display data in its unevaluated state, allowing for a more flexible and dynamic approach to data analysis and visualization. This feature makes GGPlot2 a versatile tool for working with complex and diverse datasets.

## **Fix: ggplot2 doesn't know how to deal with data of class uneval**

**One error you may encounter in R is:**

**Error: ggplot2 doesn't know how to deal with data of class uneval**

**This error usually occurs when you attempt to use ggplot2 to plot two data frames at once, but fail to use the data argument within the geom\_line() function.**

**This tutorial shares exactly how to fix this error.**

**How to Reproduce the Error**

**Suppose we have two data frames in R that show the number of sales made during specific hours on various days:**

**#create first data frame**

```
df <- data.frame(date=c(1, 1, 1, 2, 2, 2, 3, 3, 3),
```

```
hour=c(1, 2, 3, 1, 2, 3, 1, 2, 3),  
sales=c(2, 5, 7, 5, 8, 12, 10, 14, 13))
```

```
#view data frame
```

```
head(df)
```

```
date hour sales
```

```
1 1 1 2
```

```
2 1 2 5
```

```
3 1 3 7
```

```
4 2 1 5
```

```
5 2 2 8
```

```
6 2 3 12
```

```
#create second data frame
```

```
df_new <- data.frame(date=c(4, 4, 4, 5, 5, 5),
```

```
hour=c(1, 2, 3, 1, 2, 3),
```

```
sales=c(12, 13, 19, 15, 18, 20))
```

```
#view data frame
```

```
head(df_new)
```

```
date hour sales
```

```
1 4 1 12
```

```
2 4 2 13
```

3 4 3 19

4 5 1 15

5 5 2 18

6 5 3 20

Now suppose we attempt to create a line chart to visualize the sales grouped by day and hour, using the color blue for the first data frame and red for the second data frame:

```
library(ggplot2)
```

```
#attempt to create line chart
```

```
ggplot(df, aes(x=hour, y=sales, group=date)) +
```

```
geom_line(color='blue') +
```

```
geom_line(df_new, aes(x=hour, y=sales, group=date),  
color='red')
```

Error: ggplot2 doesn't know how to deal with data of class uneval

We receive an error because we failed to use the data argument within the second `geom_line()` function.

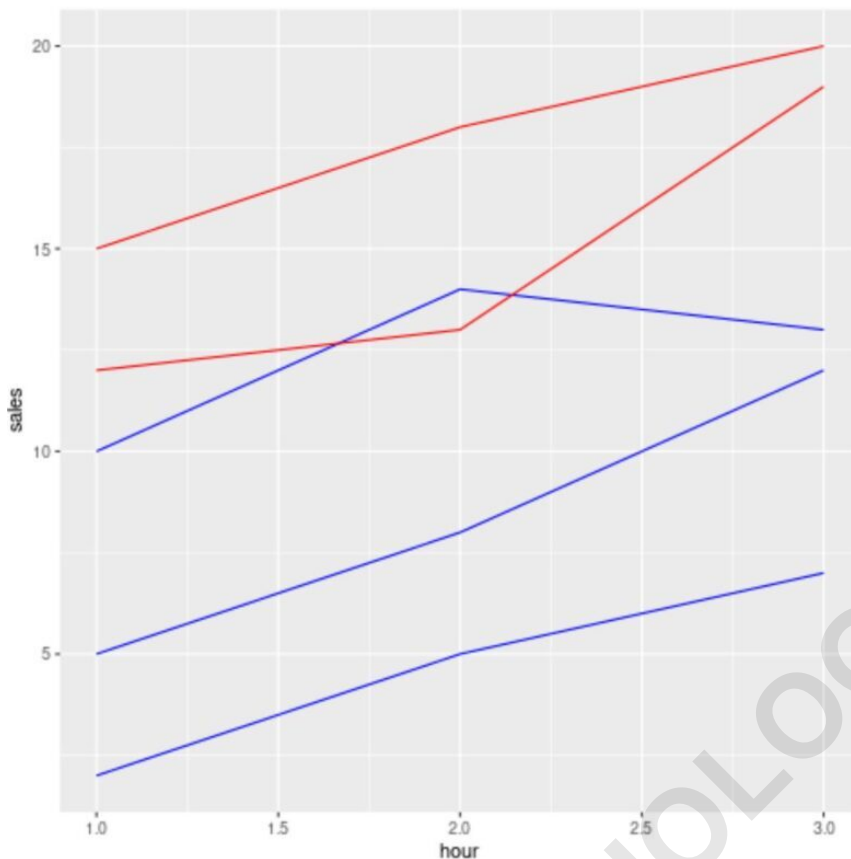
## How to Fix the Error

The way to fix this error is to simply type out data within the second `geom_line()` argument so that R knows which data frame we're attempting to plot.

```
library(ggplot2)
```

```
#create line chart
```

```
ggplot(df, aes(x=hour, y=sales, group=date)) +  
geom_line(color='blue') +  
geom_line(data=df_new, aes(x=hour, y=sales,  
group=date), color='red')
```



**Notice that we're able to create the line chart successfully without any error this time.**

#### **Additional Resources**

**The following tutorials explain how to troubleshoot other common errors in R:**