

How can the rows of a matrix be plotted in R?

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April 26, 2024

RECOMMENDED CITATION

stats writer (2024). *How can the rows of a matrix be plotted in R?*. PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=139503>

The rows of a matrix can be plotted in R by using the "plot" function, which takes in the matrix as its input. This function will automatically plot the rows of the matrix as separate lines on the graph, with each row representing a different line. Additionally, the "matplot" function can also be used to plot the rows of a matrix, which allows for more customization and control over the plot. Both of these functions can be used to effectively visualize the data contained within a matrix and identify any patterns or trends within the rows.

Plot the Rows of a Matrix in R (With Examples)

Occasionally you may want to plot the rows of a matrix in R as individual lines. Fortunately this is easy to do using the following syntax:

```
matplot(t(matrix_name), type = "l")
```

This tutorial provides an example of how to use this syntax in practice.

Example: Plot the Rows of a Matrix in R

First, let's create a fake matrix to work with that contains three rows:

```
#make this example reproducible
```

```
set.seed(1)
```

```
#create matrix
```

```
data <- matrix(sample.int(50, 21), nrow=3)
```

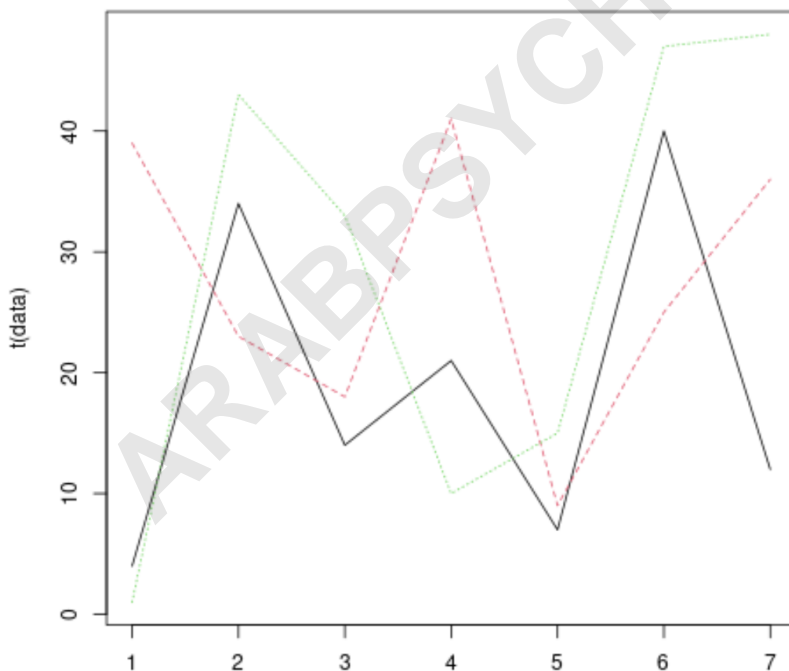
```
#view matrix
```

```
data
```

```
4 34 14 21 7 40 12  
39 23 18 41 9 25 36  
1 43 33 10 15 47 48
```

Next, let's use `matplot` to plot the three rows of the matrix as individual lines on a plot:

```
matplot(t(data), type = "l")
```

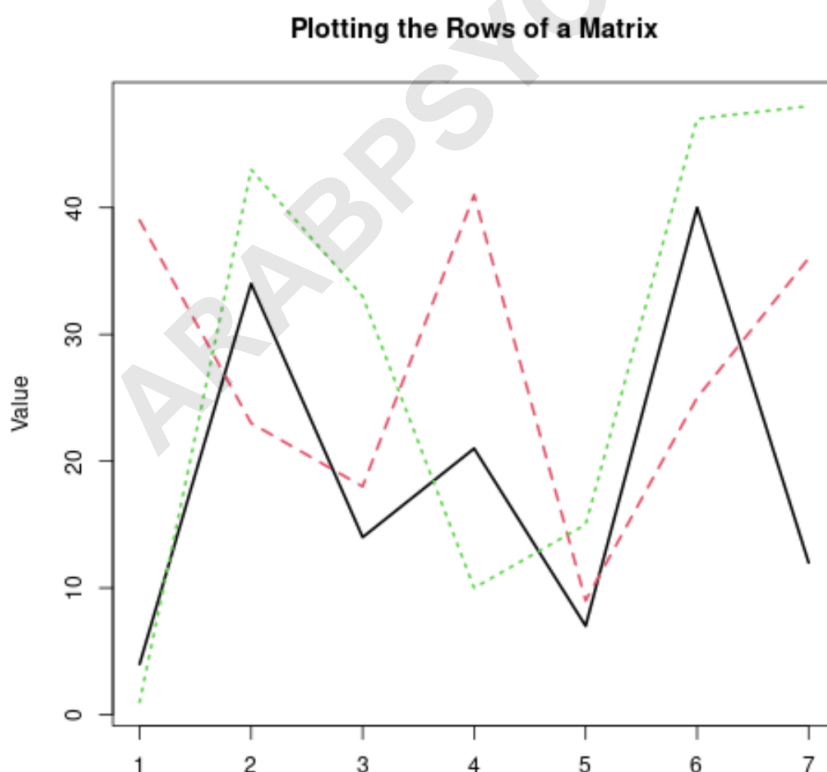


Each line in the plot represents one of the three rows of data in the matrix.

Note: The `matplot` function is used to plot the columns of a matrix. Thus, we use `t()` to transpose the matrix so that we instead plot the rows.

We can also modify the width of the lines and add some labels to the plot:

```
matplot(t(data),  
type = "l",  
lwd = 2,  
main="Plotting the Rows of a Matrix",  
ylab="Value")
```



You can find more R tutorials on .

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