

How do I create a histogram of two variables in R?

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To create a histogram of two variables in R, follow these steps:

1. Import the necessary packages, such as "ggplot2" and "dplyr".
2. Load the dataset containing the two variables of interest.
3. Use the "ggplot" function to create a basic histogram plot.
4. Specify the x and y variables, along with any desired aesthetics, such as color or labels.
5. Further customize the plot by adding titles, legends, or adjusting the bin widths.
6. Save the plot as an image or display it using the "show" function.

With these steps, you can easily create a histogram of two variables in R for visualizing their distribution and relationship.

Create a Histogram of Two Variables in R

A histogram is a useful way to visualize the distribution of values for a given variable.

To create a histogram for one variable in R, you can use the `hist()` function. And to create a histogram for two variables in R, you can use the following syntax:

```
hist(variable1, col='red')
```

```
hist(variable2, col='blue', add=TRUE)
```

The following example shows how to use this syntax in practice.

Example: Create a Histogram of Two Variables in R

The following code shows how to create a histogram of two variables in R:

```
#make this example reproducible  
set.seed(1)
```

```
#define data
```

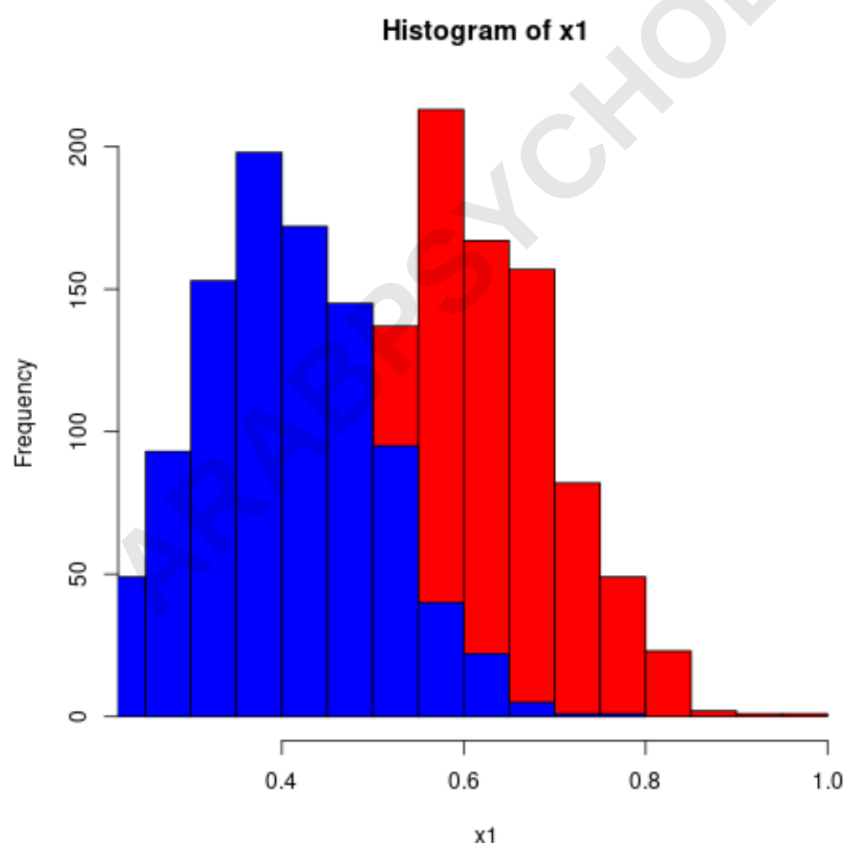
```
x1 = rnorm(1000, mean=0.6, sd=0.1)
```

```
x2 = rnorm(1000, mean=0.4, sd=0.1)
```

```
#plot two histograms in same graph
```

```
hist(x1, col='red')
```

```
hist(x2, col='blue', add=TRUE)
```



Since the values of the histograms overlap, it's a good idea to use `rgb()` colors with increased transparency:

```
#make this example reproducible  
set.seed(1)
```

```
#define data
```

```
x1 = rnorm(1000, mean=0.6, sd=0.1)
```

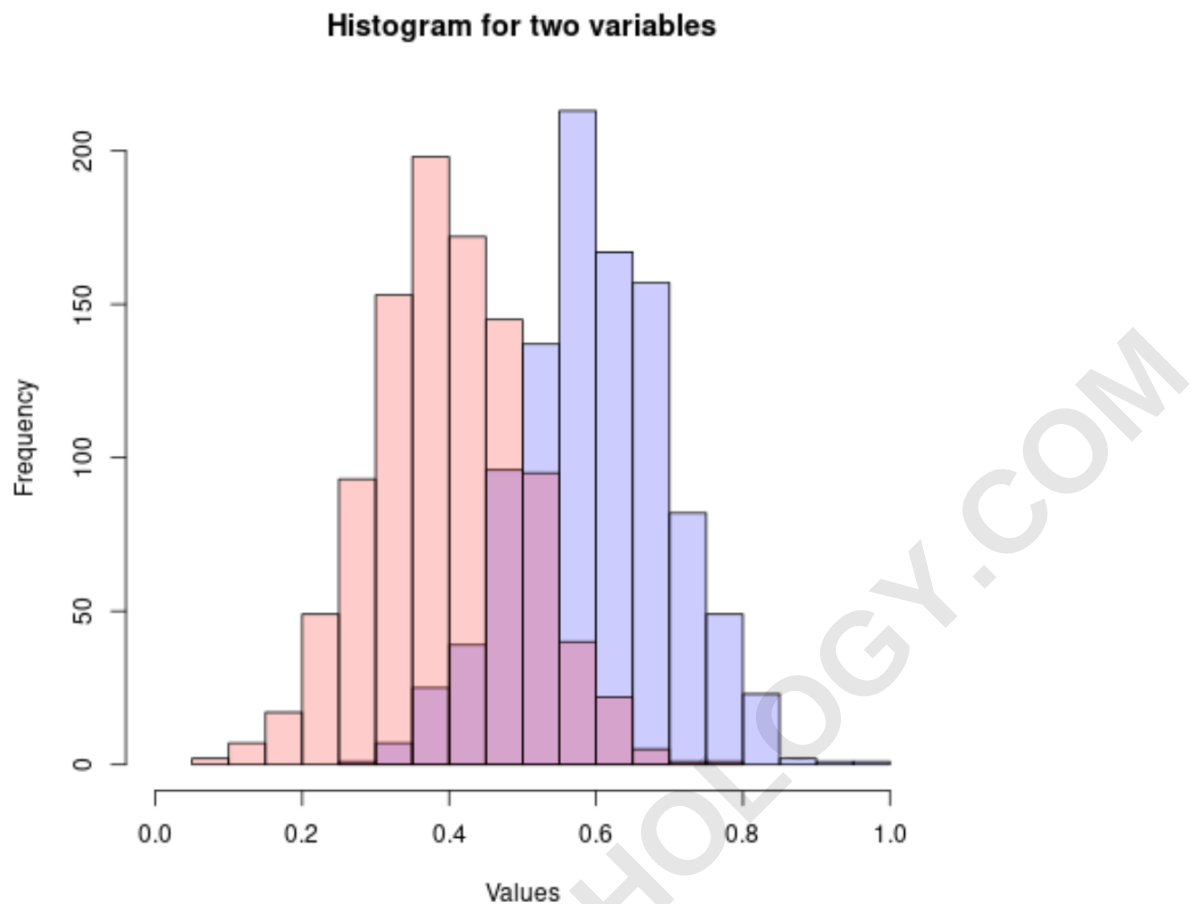
```
x2 = rnorm(1000, mean=0.4, sd=0.1)
```

```
#plot two histograms in same graph
```

```
hist(x1, col=rgb(0,0,1,0.2), xlim=c(0, 1),
```

```
xlab='Values', ylab='Frequency', main='Histogram for  
two variables')
```

```
hist(x2, col=rgb(1,0,0,0.2), add=TRUE)
```



You can find more R tutorials on .