

Can I use the Fix in R function if the replacement has X rows and the data has Y rows?

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The "Fix in R" function is a tool used for replacing data in R programming. It is capable of replacing data in a dataset with a different number of rows. However, it is important to note that in order for the function to work properly, the number of rows in the replacement data (X) and the original dataset (Y) must be compatible. If the number of rows does not match, the function may not produce accurate results.

Fix in R: replacement has X rows, data has Y

One error message you may encounter when using R is:

```
Error in ` $<-.data.frame`(`*tmp*`, conf_full, value =  
c("West", "West", :  
replacement has 3 rows, data has 5
```

This error occurs when you attempt to add a new column to a data frame whose values are based on an existing column, but you fail to first create the new column.

The following example shows how to resolve this error in practice.

How to Reproduce the Error

Suppose we create the following data frame in R:

```
#create data frame
```

```
df <- data.frame(conference=c('W', 'W', 'W', 'E', 'E'),
points=c(99, 90, 86, 88, 95),
assists=c(33, 28, 31, 39, 34))
```

```
#view data frame
```

```
df
```

```
conference points assists
```

```
1 W 99 33
```

```
2 W 90 28
```

```
3 W 86 31
```

```
4 E 88 39
```

```
5 E 95 34
```

Now suppose we attempt to add a new column to the data frame called `conf_full`:

```
#attempt to create new column based on conference name
```

```
df$conf_full <- 'West'
```

```
df$conf_full <- 'East'
```

```
Error in `df$<-data.frame`(`*tmp*`, conf_full, value =
c("West", "West", :
replacement has 3 rows, data has 5
```

We receive an error because the variable name `conf_full` doesn't yet exist, which means we can't assign values to that column yet.

How to Avoid the Error

To avoid this error, we can first create the `conf_full` variable and simply assign values of NA to it:

```
#create conf_full variable  
df$conf_full <- NA
```

Now that the variable exists, we can assign values to it:

```
#create new column based on conference  
df$conf_full <- 'West'  
df$conf_full <- 'East'
```

```
#view updated data frame  
df
```

```
conference points assists conf_full
```

```
1 W 99 33 West
```

```
2 W 90 28 West
```

```
3 W 86 31 West
```

```
4 E 88 39 East
```

5 E 95 34 East

Notice that we don't receive any error this time because we first created the `conf_full` variable before attempting to assign values to it.

Additional Resources

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