

How to Replace Zero with NA in R (With Examples)

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In R, you can use the `is.na()` and `is.nan()` functions to replace all instances of 0 with NA. This can be useful when dealing with missing data, as NA is used to denote that there is no data present. To do this, you can use the `ifelse()` function and assign 0 to NA. To illustrate this, we provide examples of how to replace 0 with NA in R.

You can use the following methods to replace zero with NA values in R:

Method 1: Replace Zero with NA in All Columns

```
df <- NA
```

Method 2: Replace Zero with NA in One Column

```
df$col1 <- NA
```

Method 3: Replace Zero with NA in Several Specific Columns

```
df == 0] <- NA
```

The following examples show how to use each method in practice with the following data frame:

```
#create data frame
df <- data.frame(player=c('A', 'B', 'C', 'D', 'E'),
pts=c(17, 12, NA, 9, 25),
rebs=c(3, 3, NA, NA, 8),
blocks=c(1, 1, 2, 4, NA))

#view data frame
df

player pts rebs blocks
1 A 17 3 1
2 B 12 3 1
3 C NA NA 2
4 D 9 NA 4
5 E 25 8 NA
```

Example 1: Replace Zero with NA in All Columns

The following code shows how to replace zeros with NA values in all columns of a data frame:

```
#replace zero with NA in all columns
```

```
df <- NA
```

```
#view updated data frame
```

```
df
```

```
player pts rebs blocks
```

```
1 A 17 3 1
```

```
2 B 12 3 1
```

```
3 C NA NA 2
```

```
4 D 9 NA 4
```

```
5 E 25 8 NA
```

Notice that the zeros have been replaced with NA values in every column of the data frame.

Example 2: Replace Zero with NA in One Column

The following code shows how to replace zero with NA values in one column of a data frame:

```
#replace zero with NA in 'rebs' column only
```

```
df$rebs <- NA
```

```
#view data frame
```

```
player pts rebs blocks
```

```
1 A 17 3 1
```

```
2 B 12 3 1
```

```
3 C 0 NA 2
```

```
4 D 9 NA 4
```

```
5 E 25 8 0
```

Notice that each zero has been replaced with NA in the 'rebs' column while all other columns have remained unchanged.

Example 3: Replace Zero with NA in Several Specific Columns

The following code shows how to replace zero with NA values in several specific columns of a data frame:

```
#replace zero with NA values in 'pts' and 'rebs' columns only
```

```
df == 0] <- NA
```

```
#view data frame
```

```
df
```

```
player pts rebs blocks
```

```
1 A 17 3 1
```

```
2 B 12 3 1
```

```
3 C NA NA 2
```

```
4 D 9 NA 4
```

```
5 E 25 8 0
```

Notice that each zero has been replaced with NA in the 'pts' and 'rebs' columns while the 'blocks' column has remained unchanged.