

# How can a vector of zeros be created in R?

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## RECOMMENDED CITATION

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A vector of zeros can be created in R by using the "vector" function and specifying the desired length of the vector, along with the argument "mode = 'numeric'". This will generate a vector filled with zeros. Another way is to use the "rep" function and specify the desired number of zeros to be repeated. Additionally, the "seq" function can be used to create a sequence of zeros. These methods can be used to easily create a vector of zeros in R for various data analysis and statistical purposes.

## Create a Vector of Zeros in R (With Examples)

There are three common ways to create a vector of zeros in R:

### Method 1: Use numeric()

```
#create vector of 12 zeros  
numeric(12)
```

### Method 2: Use integer()

```
#create vector of 12 zeros  
integer(12)
```

### Method 3: Use rep()

```
#create vector of 12 zeros  
rep(0, 12)
```

The following examples show how to use each method in practice.

#### Example 1: Create Vector of Zeros Using numeric()

The following code shows how to create a vector of zeros using the numeric() function:

```
#create vector of 12 zeros  
numeric(12)
```

```
0 0 0 0 0 0 0 0 0 0 0 0
```

The result is a vector with 12 zeros.

Note that this vector will have a class of numeric.

#### Example 2: Create Vector of Zeros Using integer()

The following code shows how to create a vector of zeros using the integer() function:

```
#create vector of 12 zeros  
integer(12)
```

```
0 0 0 0 0 0 0 0 0 0 0 0
```

**The result is a vector with 12 zeros.**

**Example 3: Create Vector of Zeros Using rep()**

**The following code shows how to create a vector of zeros using the rep() function:**

```
#create vector of 12 zeros  
rep(0, 12)
```

```
0 0 0 0 0 0 0 0 0 0 0 0
```

**The result is a vector with 12 zeros.**

**Note that this vector will have a class of numeric.**