

How can I remove NA values from a vector in R using 3 different methods?

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There are multiple ways to remove NA (Not Available) values from a vector in R. One method is to use the "na.omit()" function, which removes any rows in the vector that contain NA values. Another method is to use the "complete.cases()" function, which returns a logical vector indicating which rows do not contain NA values. Lastly, the "is.na()" function can be used to identify and exclude NA values from a vector. These three methods can be effective in removing NA values from a vector in R.

Remove NA Values from Vector in R (3 Methods)

You can use one of the following methods to remove NA values from a vector in R:

Method 1: Remove NA Values from Vector

```
data <- data
```

Method 2: Remove NA Values When Performing Calculation Using na.rm

```
max(data, na.rm=T)
```

```
mean(data, na.rm=T)
```

```
...
```

Method 3: Remove NA Values When Performing Calculation Using na.omit

```
max(na.omit(data))mean(na.omit(data))
```

...

The following example shows how to use each of these methods in practice.

Method 1: Remove NA Values from Vector

The following code shows how to remove NA values from a vector in R:

```
#create vector with some NA values  
data <- c(1, 4, NA, 5, NA, 7, 14, 19)
```

```
#remove NA values from vector  
data <- data
```

```
#view updated vector  
data
```

```
1 4 5 7 14 19
```

Notice that each of the NA values in the original vector have been removed.

Method 2: Remove NA Values When Performing Calculation Using na.rm

The following code shows how to use the na.rm

argument to remove NA values from a vector when performing some calculation:

#create vector with some NA values

```
data <- c(1, 4, NA, 5, NA, 7, 14, 19)
```

#calculate max value and remove NA values

```
max(data, na.rm=T)
```

19

#calculate mean and remove NA values

```
mean(data, na.rm=T)
```

8.333333

#calculate median and remove NA values

```
median(data, na.rm=T)
```

6

Method 3: Remove NA Values When Performing Calculation Using na.omit

The following code shows how to use the na.omit argument to omit NA values from a vector when performing some calculation:

```
#create vector with some NA values
```

```
data <- c(1, 4, NA, 5, NA, 7, 14, 19)
```

```
#calculate max value and omit NA values
```

```
max(na.omit(data))
```

```
19
```

```
#calculate mean and omit NA values
```

```
mean(na.omit(data))
```

```
8.333333
```

```
#calculate median and omit NA values
```

```
median(na.omit(data))
```

```
6
```

The following tutorials explain how to perform other common operations with missing values in R: