

How can I append values to a list in R?

Authored by
stats writer

April 30, 2024

RECOMMENDED CITATION

stats writer (2024). *How can I append values to a list in R?*. PSYCHOLOGICAL SCALES.
Retrieved from <https://scales.arabpsychology.com/?p=141545>

Appending values to a list in R can be done in multiple ways. One way is by using the `c()` function, where the new value is added to the end of the list. Another method is by using the `list()` function, where the new value is added as a new element to the list. The `append()` function can also be used to add a new value to the list, either at the end or at a specified position. Finally, the `]` operator can be used to add a new item to the list with a specific name and value. These methods allow for efficient and flexible ways to add values to a list in R.

Append Values to List in R (With Examples)

You can use the following syntax to append a single value to a list in R:

```
#get length of list called my_list
```

```
len <- length(my_list)
```

```
#append value of 12 to end of list
```

```
my_list] <- 12
```

And you can use the following syntax to append multiple values to a list in R:

```
#get length of list called my_list
```

```
len <- length(my_list)
```

```
#define values to append to list
```

```
new <- c(3, 5, 12, 14)
```

```
#append values to list
```

```
i = 1
while(i <= length(new)) {
my_list] <- new
i <- i + 1
}
```

The following examples show how to use each of these functions in practice.

Example 1: Append a Single Value to a List

Suppose we have the following list in R:

```
#create list
my_list <- list(7, 14, c(1, 2, 3))
```

```
#view list
```

```
my_list
```

```
]
7
```

```
]
14
```

```
]
```

1 2 3

We can use the following syntax to append the value 12 to the end of the list:

#get length of list

len <- length(my_list)

#append value to end of list

my_list] <- 12

#view list

my_list

]

7

]

14

]

1 2 3

]

12

Example 2: Append Multiple Values to a List

Suppose we have the following list in R:

```
#create list
```

```
my_list <- list(7, 14, c(1, 2, 3))
```

```
#view list
```

```
my_list
```

```
[
```

```
7
```

```
[
```

```
14
```

```
[
```

```
1 2 3
```

We can use the following syntax to append several values to the end of the list:

```
#get length of list
```

```
len <- length(my_list)
```

```
#define values to append to list
```

```
new <- c(3, 5, 12, 14)

#append values to list
i = 1
while(i <= length(new)) {
my_list] <- new
i <- i + 1
}
```

```
#display updated list
my_list
```

```
]
7
```

```
]
14
```

```
]
1 2 3
```

```
]
3
```

```
]
5
```

]

12

]

14

ARABPSYCHOLOGY.COM