

How can I export a list to a file in R, and what are some examples?

Authored by
stats writer

June 28, 2024

RECOMMENDED CITATION

stats writer (2024). *How can I export a list to a file in R, and what are some examples?*. PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=156659>

Exporting a list to a file in R is a simple process that allows users to save their lists in a file format for future analysis or sharing with others. To export a list in R, users can use the "write.table()" or "write.csv()" function, which allows them to specify the list and the desired file format. For example, the code "write.table(my_list, file = "my_list.csv")" will export the list "my_list" as a CSV file named "my_list.csv". Other file formats such as TXT, XLSX, and JSON can also be used depending on the needs of the user. This functionality in R makes it easy for users to organize and share their data in a convenient and efficient manner.

Export List to a File in R (With Examples)

You can use the `sink()` function to quickly export a list to a CSV file or text file in R.

The following examples show how to use this function in practice with the following list:

#create list

```
my_list <- list(A=c(1, 5, 6, 6, 3),  
B=c('hey', 'hello'),  
C=1:10)
```

#view list

```
my_list
```

\$A

```
1 5 6 6 3
```

\$B

```
"hey" "hello"
```

```
$C
```

```
1 2 3 4 5 6 7 8 9 10
```

Related:

Example 1: Export List to Text File

We can use the following `sink()` function to export the list to a text file:

```
#define file name
```

```
sink('my_list.txt')
```

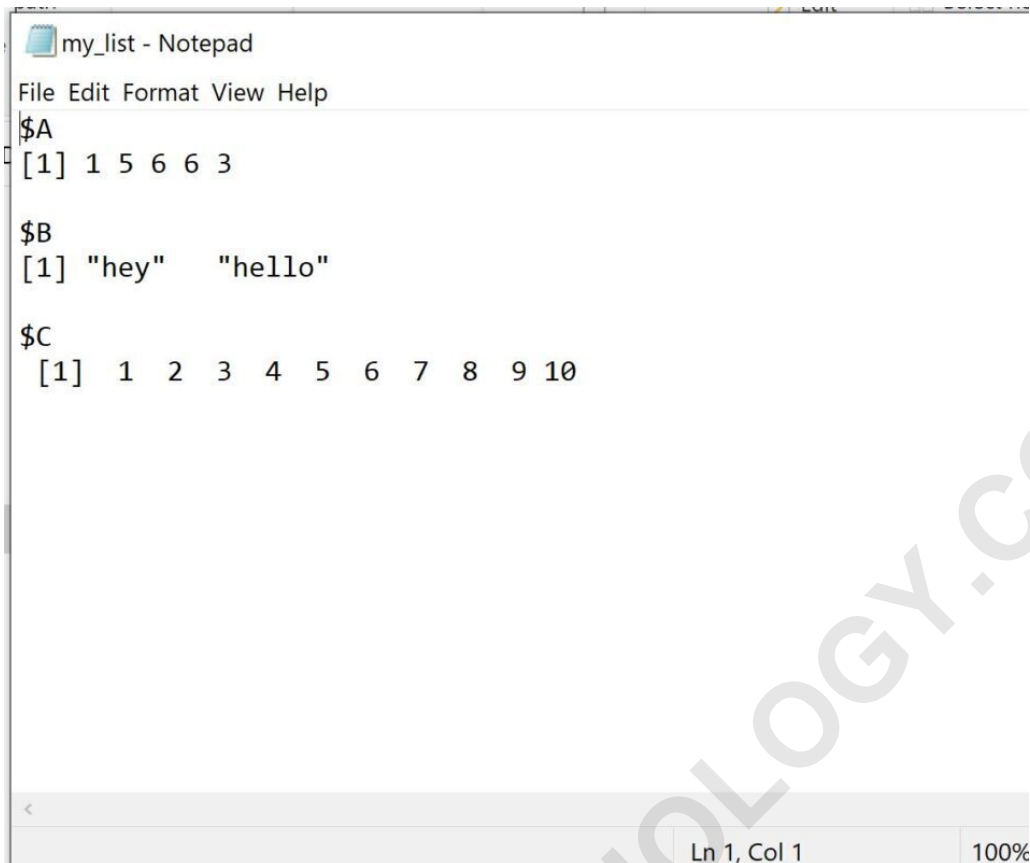
```
#print my_list to file
```

```
print(my_list)
```

```
#close external connection to file
```

```
sink()
```

We can then navigate to the and open the text file:



```
my_list - Notepad
File Edit Format View Help
$A
[1] 1 5 6 6 3

$B
[1] "hey" "hello"

$C
[1] 1 2 3 4 5 6 7 8 9 10

Ln 1, Col 1 100%
```

The text file contains the list formatted exactly as it was in R.

We can also use multiple print statements within the sink function to export multiple lists to one text file:

#create multiple lists

```
my_list1 <- list(A=c(1, 5, 6, 6, 3),
```

```
B=c('hey', 'hello'),
```

```
C=1:10)
```

```
my_list2 <- list(D=c(2, 2, 4, 6, 7),
```

```
E=c('one', 'five'))
```

```
#define file name
```

```
sink('my_lists.txt')
```

```
#print multiple lists to file
```

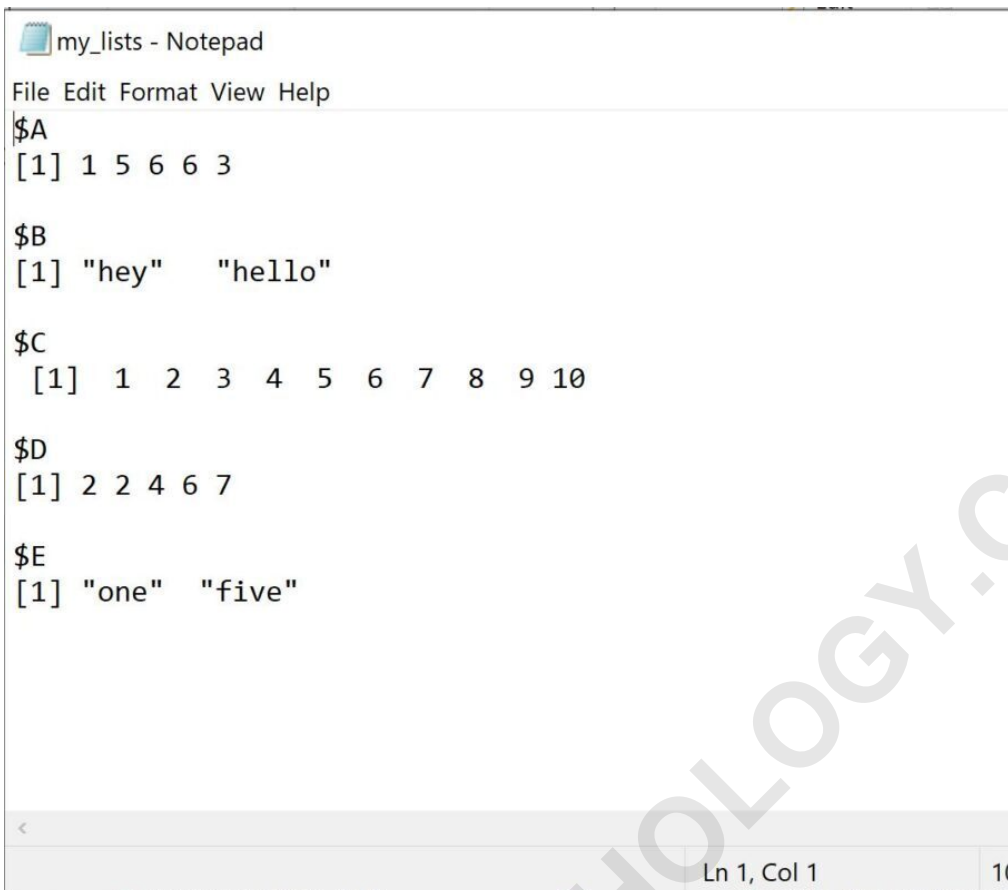
```
print(my_list1)
```

```
print(my_list2)
```

```
#close external connection to file
```

```
sink()
```

We can then navigate to the and open the text file:



```
my_lists - Notepad
File Edit Format View Help
$A
[1] 1 5 6 6 3

$B
[1] "hey" "hello"

$C
[1] 1 2 3 4 5 6 7 8 9 10

$D
[1] 2 2 4 6 7

$E
[1] "one" "five"

Ln 1, Col 1 10
```

The text file contains both lists.

Example 2: Export List to CSV File

We can use the following `sink()` function to export the list to a CSV file:

```
#define file name  
sink('my_list.csv')
```

```
#print my_list to file  
print(my_list)
```

#close external connection to file sink()

We can then navigate to the and open the CSV file:

	A	B	C	D	E	F	G
1	\$A						
2	[1] 1 5 6 6 3						
3							
4	\$B						
5	[1] "hey" "hello"						
6							
7	\$C						
8	[1] 1 2 3 4 5 6 7 8 9 10						
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							

The CSV file contains the list formatted exactly as it was in R.

Additional Resources

The following tutorials explain how to perform other common tasks in R: