

```
R version 4.3.1 (2023-06-16 ucrt) -- "Beagle Scouts"
Copyright (C) 2023 The R Foundation for Statistical Computing
Platform: x86_64-w64-mingw32/x64 (64-bit)
```

```
R is free software and comes with ABSOLUTELY NO WARRANTY.
You are welcome to redistribute it under certain conditions.
Type 'license()' or 'licence()' for distribution details.
```

```
Natural language support but running in an English locale
```

```
R is a collaborative project with many contributors.
Type 'contributors()' for more information and
'citation()' on how to cite R or R packages in publications.
```

```
Type 'demo()' for some demos, 'help()' for on-line help, or
'help.start()' for an HTML browser interface to help.
Type 'q()' to quit R.
```

```
[Previously saved workspace restored]
```

```
> rm(list = ls())
> x <- c(574,397,330,435,155,409,91)
> y <- c(379,240,313,217,115,264,46.4)
> cor.test(x, y, alternative = "two.sided", method = "spearman", exact=TRUE )
```

```
Spearman's rank correlation rho
```

```
data: x and y
S = 18, p-value = 0.1095
alternative hypothesis: true rho is not equal to 0
sample estimates:
      rho
0.6785714
```

```
> # ---- Confidence interval ----
> if(!"RVAideMemoire" %in% installed.packages()){install.packages("RVAideMemoire")}
> library(RVAideMemoire)
*** Package RVAideMemoire v 0.9-83-3 ***
> spearman.ci(x,y)
```

```
Spearman's rank correlation
```

```
data: x and y
1000 replicates

95 percent confidence interval:
-0.1764706  1.0000000
sample estimates:
      rho
0.6785714
```

```
>
```