

R version 4.3.1 (2023-06-16 ucrt) -- "Beagle Scouts"
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Platform: x86_64-w64-mingw32/x64 (64-bit)

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[Previously saved workspace restored]

```
> rm(list = ls())
> x0 <- c(4.552010576,3.227332741,3.098565391,3.147422004,2.824832555,2.394414611,2.322272539,2.2
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> x1 <- c(1.567072193,1.340313186,1.545965382,1.647325492,0.978400881,0.55059971,0.674292912,0.90
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93102374,2.34856829,2.69333504)
> x <- c(x0,x1)
> y0 <- c(14.91072849,12.03576423,12.25671657,10.29005402,4.525819237,4.401251607,4.168002488,3.9
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> y1 <- c(1.054700064,0.666836322,0.587968959,1.268811142,1.475562167,0.843988958,0.568683676,0.4
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25425253,1.239591879,3.47161992)
> y <- c(y0,y1)
> cor.test(x, y,alternative = "two.sided", method = "spearman", exact=FALSE )
```

Spearman's rank correlation rho

```
data:  x and y
S = 4274022, p-value < 2.2e-16
alternative hypothesis: true rho is not equal to 0
sample estimates:
      rho
0.7313162

> # ---- 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:
 0.6804139 0.7760926
sample estimates:
      rho
0.7313162
```

>