

```
data:  x and y
S = 8744591, p-value = 5.275e-11
alternative hypothesis: true rho is not equal to 0
```

```
sample estimates:
      rho
0.3116718

> # ---- 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:
 0.2198774 0.4015121
sample estimates:
      rho
0.3116718

>
```