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

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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(-76.17,-70.26,-79.16,-75.1,-75.62,-53.39,-65.75,-45.79,-61.79,-34.85,-36.08,-31.14,-34.9
3,-38.46,-57.29,-48.4,-59.43,-54.53,-51.34,-108.78,-108.02,-110.19,-109.69,-117.09,-101.07,-100.6
9,-101.44,-103.12,-103.59,-102.64,-105.78,-100.46,-101.43,-105.72,-95.55,-98.28,-91.26,-94.99,-95
.3,-19.36,-17.71,-18.49,-20.69,-19.31,-43.03,-43.51,-41.55,-33.43,-41.78,-93.73,-118.68,-126.69,-
145.02,-118.25,-81.98,-83.32,-71.87,-80.41,-72.93)
> y <- c(-14.4,-12.9,-13.9,-13.9,-14.4,-14.6,-14.4,-12.9,-14.4,-15.7,-15.6,-16.3,-15.7,-15.7,-15.
9,-15.7,-15.9,-16.2,-16.4,-18.1,-18.4,-18.2,-17.6,-18.4,-17.7,-17.8,-17.7,-18.2,-17.8,-17.1,-17.1
,-17,-16.8,-16.9,-16.8,-16.8,-17.2,-17,-16.8,-13.1,-13.6,-13.9,-13.2,-13.7,-13.3,-13.3,-13.8,-13.
1,-13.1,-15.6,-15.5,-15.3,-15.8,-15.2,-15.1,-15.6,-15.1,-15.2,-15.6)
> cor.test(x, y,alternative = "two.sided", method = "spearman", exact=FALSE )

        Spearman's rank correlation rho

data:  x and y
S = 11452, p-value = 9.006e-09
alternative hypothesis: true rho is not equal to 0
sample estimates:
      rho
0.6653313

> # ---- 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:
 0.4840591 0.8046880
sample estimates:
      rho
0.6653313

>
```