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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]

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> rm(list = ls())
> x0 <- c(-110.13,-110.13,-110.13,-110.13,-110.13,-110.13,-110.13,-110.13,-110.13,-110.13,-110.13,-110.13
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> x < -c(x0, x1, x2)
> y0 <- c(509,509,409,396,393,312,309,302,933,931,931,931,926,904,904,429,429,435,435,431,429,429</p>
,424,386,49.8,377,373,322,41.8,1039,1027,989,976,438,429,415,404,383,383,349,379,379,327,308,308,
307,273,232,81.1,230,191,157,137,102,86.6,77.4,69,68.6,53.1,45.6,43.9,1058,1048,1048,1048,1046,10
46,1044,1009,896,479,450,442,429,412,419,407,383,336,332,305,297,221,179,122,51.9,45.6,46,1035,99
6,984,984,984,983,982,437,437,429,416,419,417,384,381,350,330,337,313,304,291,284,283,283,115,59,
51.9,1056,1045,1008,999,997,883,479,449,442,430,420,406,412,382,383,384,362,337,315,305,294,270,2
21,178,122,53.9,52.3,45.6,383,383,310,304,297,248,243,234,635,635,635,635,635,598,598,343,345,343
,345,343,343,327,327,295,49.8,295,291,245,41.8,654,654,604,604,349,343,343,331,327,327,327,272,28
9,289,261,261,254,177,80.7,215,191,158,138,102,63.6,63.6,59,49.8,665,665,665,665,665,665,665,614,
503,452,345,344,333,332,325,306,296,266,252,249,220,179,85.3,46,41.4,662,610,610,610,610,609,608,
344,343,343,333,333,327,327,305,291,291,261,261,259,258,258,251,200,115,59,663,663,615,615,615,49
9,451,345,343,331,332,319,322,322,305,294,294,268,251,247,246,220,178,85.3,41.4,281,248,248,203,1
89,173,169,157,156,151,134,123,90.3,89.5,406,387,387,387,387,386,386,348,347,347)
> y1 <- c(347,347,347,346,230,230,230,230,226,225,219,219,202,176,49.8,198,167,149,146,131,130,12</p>
5,119,119,118,118,104,103,102,411,410,389,389,368,368,368,368,274,220,227,226,220,219,219,217,201
,201,174,174,160,161,161,140,138,85.3,80.7,127,121,119,119,117,108,105,102,88.3,88.3,83.2,80.3,81
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,77,74,59.8,59.4,58.1,774,425,425,420,402,401,374,373,373,373,372,372,333,286,228,227,227,222,217
,215,216,215,204,199,180,176,161,154,154,135,120,120,120,120,117,116,116,104,87.4,83.6,71.5,63.1,
46.8, 45.6, 352, 352, 278, 270, 266, 214, 214, 206, 614, 614, 605, 604, 604, 603, 600, 298, 295, 294, 294, 285, 285, 285
,285,285,255,253,217,696,694,683,683,301,301,289,284,267,256,256,230,245,243,226,208,208,202,202,
156,117,115,86.6,77.8,68.6,53.1,43.9,39.7,704,704,703,695,694,694,693,693,691,477,309,288,288,281
,277,278,260,222,200,166,121,99,91.2,71.1,51.9,45.6,696,684,684,684,684,683,683)
> y2 <- c(300,300,289,289,285,279,278,259,258,259,254,207,206,184,182,182,165,51.4,703,702,694,69</p>
3,692,691,476,309,289,289,289,289,289,282,279,261,251,232,205,199,175,165,122,99.5,91.2,69.4,53.9,51.
9,45.6)
> y < -c(y0,y1,y2)
> cor.test(x, y,alternative = "two.sided", method = "spearman", exact=FALSE )
                     Spearman's rank correlation rho
data: x and y
S = 34143535, p-value = 6.369e-10
alternative hypothesis: true rho is not equal to 0
sample estimates:
               rho
0.2400881
> # ---- 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:
  0.1626423 0.3094026
sample estimates:
               rho
0.2400881
```