|  |
| --- |
| > n <- 28  > print(n)  [1] 28  > for (i in 28:72) {  + print(i)  + correlacion <- cor.test(as.numeric(baro[ ,n]), as.numeric(baro[ ,i]), method = "kendall")  +  + if (correlacion$p.value <= 0.05) {print(correlacion)}  + }  [1] 28  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 7.2414, p-value = 4.44e-13  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  1  [1] 29  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 4.4445, p-value = 8.809e-06  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.6091907  [1] 30  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 3.3086, p-value = 0.0009375  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.4464206  [1] 31  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 3.1289, p-value = 0.001755  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.4316533  [1] 32  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 2.9039, p-value = 0.003685  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.3989031  [1] 33  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 4.3581, p-value = 1.312e-05  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.6003724  [1] 34  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 4.2965, p-value = 1.735e-05  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.5876109  [1] 35  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 3.481, p-value = 0.0004995  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.5260985  [1] 36  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 4.1133, p-value = 3.901e-05  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.6120414  [1] 37  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 4.0291, p-value = 5.6e-05  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.597798  [1] 38  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 3.4953, p-value = 0.0004736  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.5283019  [1] 39  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 3.9129, p-value = 9.121e-05  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.5803318  [1] 40  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 3.3055, p-value = 0.000948  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.4904823  [1] 41  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 3.0792, p-value = 0.002075  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.4276243  [1] 42  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 3.4482, p-value = 0.0005643  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.4748424  [1] 43  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 3.0434, p-value = 0.002339  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.4164437  [1] 44  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 3.2261, p-value = 0.001255  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.4355932  [1] 45  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 3.7861, p-value = 0.000153  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.5299492  [1] 46  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 3.1544, p-value = 0.001608  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.4269255  [1] 47  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 3.2231, p-value = 0.001268  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.4318204  [1] 48  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 3.9907, p-value = 6.588e-05  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.5405222  [1] 49  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 2.0444, p-value = 0.04092  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.2792005  [1] 50  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 3.0163, p-value = 0.002559  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.4203992  [1] 51  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 2.6548, p-value = 0.007935  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.3674705  [1] 52  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 3.5664, p-value = 0.0003619  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.4997044  [1] 53  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 2.4697, p-value = 0.01352  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.3621501  [1] 54  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 3.9461, p-value = 7.945e-05  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.5263615  [1] 55  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 3.8457, p-value = 0.0001202  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.5372196  [1] 56  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 3.2597, p-value = 0.001115  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.4582076  [1] 57  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 3.145, p-value = 0.001661  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.4715918  [1] 58  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 4.4288, p-value = 9.476e-06  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.5930578  [1] 59  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 3.8295, p-value = 0.0001284  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.5666085  [1] 60  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 3.47, p-value = 0.0005205  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.471634  [1] 61  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 3.4184, p-value = 0.0006298  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.4641295  [1] 62  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 3.0088, p-value = 0.002622  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.4428203  [1] 63  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 2.7678, p-value = 0.005644  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.373949  [1] 64  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 3.6834, p-value = 0.0002302  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.5033801  [1] 65  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 2.7114, p-value = 0.0067  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.4224293  [1] 66  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = -2.789, p-value = 0.005287  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  -0.4606583  [1] 67  [1] 68  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = -2.1225, p-value = 0.03379  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  -0.4596362  [1] 69  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = -2.691, p-value = 0.007125  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  -0.5089798  [1] 70  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 5.872, p-value = 4.307e-09  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.7458733  [1] 71  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 4.2628, p-value = 2.019e-05  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.5366502  [1] 72  Kendall's rank correlation tau  data: as.numeric(baro[, n]) and as.numeric(baro[, i])  z = 4.9441, p-value = 7.651e-07  alternative hypothesis: true tau is not equal to 0  sample estimates:  tau  0.6144681  There were 45 warnings (use warnings() to see them) |
|  |
| |  | | --- | |  | |

> n <- 29

> print(n)

[1] 29

> for (i in 30:72) {

+ print(i)

+ correlacion <- cor.test(as.numeric(baro[ ,n]), as.numeric(baro[ ,i]), method = "kendall")

+

+ if (correlacion$p.value <= 0.05) {print(correlacion)}

+ }

[1] 30

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.1929, p-value = 0.02832

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.2936788

[1] 31

[1] 32

[1] 33

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.6635, p-value = 0.0002488

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5009174

[1] 34

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.3193, p-value = 1.565e-05

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5866355

[1] 35

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.2088, p-value = 0.02719

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3320616

[1] 36

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.0543, p-value = 0.002256

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4520716

[1] 37

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.2741, p-value = 0.02296

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3356317

[1] 38

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.5466, p-value = 0.01088

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3828734

[1] 39

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.9086, p-value = 0.00363

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4291139

[1] 40

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.0551, p-value = 0.00225

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4509285

[1] 41

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.2263, p-value = 0.001254

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4440483

[1] 42

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.4969, p-value = 0.01253

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3407727

[1] 43

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.8112, p-value = 0.004936

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3812403

[1] 44

[1] 45

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.0465, p-value = 0.002315

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4226215

[1] 46

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.6905, p-value = 0.007135

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3609046

[1] 47

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.445, p-value = 0.01449

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3246641

[1] 48

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.5508, p-value = 0.01075

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3424228

[1] 49

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.9694, p-value = 0.002984

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4019446

[1] 50

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.8913, p-value = 0.003837

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3998034

[1] 51

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.6273, p-value = 0.008608

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3604154

[1] 52

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.0972, p-value = 0.03598

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.291839

[1] 53

[1] 54

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.5458, p-value = 0.0109

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3365749

[1] 55

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.371, p-value = 0.0007488

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4676989

[1] 56

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.5866, p-value = 0.009693

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3611062

[1] 57

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.6912, p-value = 0.007119

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.402065

[1] 58

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.2485, p-value = 2.152e-05

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5638773

[1] 59

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.9295, p-value = 0.003395

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4311577

[1] 60

[1] 61

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.8347, p-value = 0.004587

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3814565

[1] 62

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.2055, p-value = 0.02742

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3230016

[1] 63

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.344, p-value = 0.01908

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3142066

[1] 64

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.979, p-value = 0.002892

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4034963

[1] 65

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.128, p-value = 0.00176

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4846614

[1] 66

[1] 67

[1] 68

[1] 69

[1] 70

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.5033, p-value = 6.692e-06

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5678158

[1] 71

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.0759, p-value = 0.002099

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.384392

[1] 72

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.4405, p-value = 0.0005807

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4244669

> n <- 30

> print(n)

[1] 30

> for (i in 31:72) {

+ print(i)

+ correlacion <- cor.test(as.numeric(baro[ ,n]), as.numeric(baro[ ,i]), method = "kendall")

+

+ if (correlacion$p.value <= 0.05) {print(correlacion)}

+ }

[1] 31

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.7862, p-value = 0.005334

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3756523

[1] 32

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.2052, p-value = 0.02744

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.295977

[1] 33

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.5405, p-value = 0.0003994

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4765493

[1] 34

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.9979, p-value = 0.002718

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4007162

[1] 35

[1] 36

[1] 37

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.701, p-value = 0.006913

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3944529

[1] 38

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.6264, p-value = 0.008629

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3907116

[1] 39

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.035, p-value = 0.002406

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4430508

[1] 40

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.1028, p-value = 0.03549

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3071106

[1] 41

[1] 42

[1] 43

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.5363, p-value = 0.0112

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3407477

[1] 44

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.4596, p-value = 0.01391

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3260665

[1] 45

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.0085, p-value = 0.04459

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.2760088

[1] 46

[1] 47

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.2044, p-value = 0.0275

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.2899877

[1] 48

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.3712, p-value = 1.236e-05

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5813163

[1] 49

[1] 50

[1] 51

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.1507, p-value = 0.0315

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.292267

[1] 52

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.6132, p-value = 0.008969

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3597793

[1] 53

[1] 54

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.4605, p-value = 0.01387

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.322268

[1] 55

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.9031, p-value = 0.003695

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3984852

[1] 56

[1] 57

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.658, p-value = 0.0002542

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5382341

[1] 58

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.2582, p-value = 2.061e-05

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5598819

[1] 59

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.2364, p-value = 2.272e-05

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.6169647

[1] 60

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.6685, p-value = 0.007618

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3561154

[1] 61

[1] 62

[1] 63

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.2951, p-value = 0.0009837

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4375023

[1] 64

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.2383, p-value = 0.0252

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3003335

[1] 65

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.3211, p-value = 0.0008965

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5076832

[1] 66

[1] 67

[1] 68

[1] 69

[1] 70

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.9676, p-value = 6.78e-07

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.6167207

[1] 71

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.3652, p-value = 0.01802

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.2910366

[1] 72

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.7731, p-value = 0.0001612

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4583693

> n <- 31

> print(n)

[1] 31

> for (i in 32:72) {

+ print(i)

+ correlacion <- cor.test(as.numeric(baro[ ,n]), as.numeric(baro[ ,i]), method = "kendall")

+

+ if (correlacion$p.value <= 0.05) {print(correlacion)}

+ }

[1] 32

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.7367, p-value = 0.006205

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3761432

[1] 33

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.9159, p-value = 0.003547

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4011872

[1] 34

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.4217, p-value = 0.01545

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3270008

[1] 35

[1] 36

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 1.9905, p-value = 0.04653

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.2970424

[1] 37

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.9945, p-value = 0.002749

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4463283

[1] 38

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.5417, p-value = 0.01103

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3854188

[1] 39

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.4058, p-value = 0.01614

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3578077

[1] 40

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.6564, p-value = 0.007899

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3956789

[1] 41

[1] 42

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.5019, p-value = 0.01235

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3448315

[1] 43

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.1816, p-value = 0.02914

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.2988865

[1] 44

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.3092, p-value = 0.02093

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3117396

[1] 45

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.4269, p-value = 0.01523

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3398375

[1] 46

[1] 47

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.1638, p-value = 0.03048

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.2900122

[1] 48

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.4991, p-value = 0.01245

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.338899

[1] 49

[1] 50

[1] 51

[1] 52

[1] 53

[1] 54

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.8228, p-value = 0.00476

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3769835

[1] 55

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.3876, p-value = 0.0007051

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4773104

[1] 56

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.0506, p-value = 0.002284

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4304219

[1] 57

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.2935, p-value = 0.0009896

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4990167

[1] 58

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.1245, p-value = 0.03363

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.2850561

[1] 59

[1] 60

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.5642, p-value = 0.000365

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4843113

[1] 61

[1] 62

[1] 63

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.1369, p-value = 0.03261

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.2895552

[1] 64

[1] 65

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.7931, p-value = 0.005221

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4392463

[1] 66

[1] 67

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = -3.1432, p-value = 0.001671

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

-0.4960005

[1] 68

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = -2.9755, p-value = 0.002925

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

-0.6643483

[1] 69

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = -3.5667, p-value = 0.0003615

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

-0.6842235

[1] 70

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.0865, p-value = 4.379e-05

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5195386

[1] 71

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.8397, p-value = 0.004515

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3574474

[1] 72

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.7959, p-value = 0.005176

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3476593

> n <- 32

> print(n)

[1] 32

> for (i in 33:72) {

+ print(i)

+ correlacion <- cor.test(as.numeric(baro[ ,n]), as.numeric(baro[ ,i]), method = "kendall")

+

+ if (correlacion$p.value <= 0.05) {print(correlacion)}

+ }

[1] 33

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.4592, p-value = 0.01392

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3369969

[1] 34

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.5441, p-value = 0.01096

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3466339

[1] 35

[1] 36

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.4022, p-value = 0.01629

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3589537

[1] 37

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.9969, p-value = 0.002727

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4465325

[1] 38

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.3577, p-value = 0.0007859

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5096579

[1] 39

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.0196, p-value = 0.002531

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4497386

[1] 40

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.7232, p-value = 0.006465

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4057856

[1] 41

[1] 42

[1] 43

[1] 44

[1] 45

[1] 46

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.2578, p-value = 0.02396

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3049468

[1] 47

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 1.9842, p-value = 0.04723

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.2652887

[1] 48

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.9628, p-value = 0.003049

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4004599

[1] 49

[1] 50

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.5623, p-value = 0.0104

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3562986

[1] 51

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.7779, p-value = 0.00547

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3837123

[1] 52

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.8571, p-value = 0.004275

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4013374

[1] 53

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.9222, p-value = 0.003475

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4294637

[1] 54

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.6796, p-value = 0.00737

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3566918

[1] 55

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.3189, p-value = 0.0204

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3247506

[1] 56

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.6096, p-value = 0.009066

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3677478

[1] 57

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.159, p-value = 0.001583

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4743416

[1] 58

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.2915, p-value = 0.02193

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3062194

[1] 59

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.8808, p-value = 0.003967

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.428037

[1] 60

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.112, p-value = 0.001858

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4220926

[1] 61

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.0934, p-value = 0.03631

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.2836347

[1] 62

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.2285, p-value = 0.02585

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3305631

[1] 63

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.4999, p-value = 0.01242

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3369852

[1] 64

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.6617, p-value = 0.007775

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3629952

[1] 65

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.1527, p-value = 0.03134

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3358216

[1] 66

[1] 67

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = -2.6968, p-value = 0.007

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

-0.4221225

[1] 68

[1] 69

[1] 70

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.6065, p-value = 0.0003103

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4557287

[1] 71

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.3731, p-value = 0.01764

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.2972096

[1] 72

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.9298, p-value = 0.003392

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3622434

> n <- 33

> print(n)

[1] 33

> for (i in 34:72) {

+ print(i)

+ correlacion <- cor.test(as.numeric(baro[ ,n]), as.numeric(baro[ ,i]), method = "kendall")

+

+ if (correlacion$p.value <= 0.05) {print(correlacion)}

+ }

[1] 34

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.9679, p-value = 6.769e-07

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.6776011

[1] 35

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.2893, p-value = 0.02206

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3466566

[1] 36

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.9066, p-value = 0.003654

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4333232

[1] 37

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.4226, p-value = 0.01541

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3601378

[1] 38

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.9845, p-value = 0.002841

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4519658

[1] 39

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.8662, p-value = 0.004154

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4259142

[1] 40

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.6298, p-value = 0.0002837

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5396295

[1] 41

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.8453, p-value = 0.004437

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3938201

[1] 42

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.4841, p-value = 0.01299

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3409354

[1] 43

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.9873, p-value = 0.002815

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.407398

[1] 44

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.4168, p-value = 0.01566

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3252266

[1] 45

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.9309, p-value = 0.00338

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4088734

[1] 46

[1] 47

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.1446, p-value = 0.03198

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.2863691

[1] 48

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.4084, p-value = 0.0006534

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4601214

[1] 49

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 1.9849, p-value = 0.04716

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.2699251

[1] 50

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.5244, p-value = 0.01159

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3508683

[1] 51

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.5854, p-value = 0.009727

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3566635

[1] 52

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.8828, p-value = 0.003942

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.40261

[1] 53

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.273, p-value = 0.02302

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3329836

[1] 54

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.7205, p-value = 0.006518

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3616803

[1] 55

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.8093, p-value = 0.004965

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3911663

[1] 56

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.4248, p-value = 0.01532

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3397389

[1] 57

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.4194, p-value = 0.01555

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3604083

[1] 58

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.7618, p-value = 0.0001687

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5020624

[1] 59

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.8518, p-value = 0.004347

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4227705

[1] 60

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.1634, p-value = 0.03051

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.2930596

[1] 61

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.1715, p-value = 0.001517

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4291621

[1] 62

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.4123, p-value = 0.01585

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3539702

[1] 63

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.9131, p-value = 0.003579

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3924963

[1] 64

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.6305, p-value = 0.008526

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3582914

[1] 65

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.0382, p-value = 0.04153

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3158116

[1] 66

[1] 67

[1] 68

[1] 69

[1] 70

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 5.7239, p-value = 1.041e-08

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.7253218

[1] 71

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.9444, p-value = 0.003236

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3697917

[1] 72

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.8687, p-value = 0.0001094

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4796689

> n <- 34

> print(n)

[1] 34

> for (i in 35:72) {

+ print(i)

+ correlacion <- cor.test(as.numeric(baro[ ,n]), as.numeric(baro[ ,i]), method = "kendall")

+

+ if (correlacion$p.value <= 0.05) {print(correlacion)}

+ }

[1] 35

[1] 36

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.5885, p-value = 0.009639

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3849291

[1] 37

[1] 38

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 1.9861, p-value = 0.04702

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3001158

[1] 39

[1] 40

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.6876, p-value = 0.007198

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3989233

[1] 41

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.6715, p-value = 0.007552

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3698467

[1] 42

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.7136, p-value = 0.006656

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3729299

[1] 43

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.3784, p-value = 0.01739

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.324913

[1] 44

[1] 45

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.1549, p-value = 0.03117

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3008805

[1] 46

[1] 47

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.2255, p-value = 0.02605

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.2974207

[1] 48

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.0655, p-value = 0.03887

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.2793013

[1] 49

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.2808, p-value = 0.02256

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3067525

[1] 50

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.9585, p-value = 0.003091

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4126778

[1] 51

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.5134, p-value = 0.01196

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3470366

[1] 52

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.4145, p-value = 0.01576

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3385784

[1] 53

[1] 54

[1] 55

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.2443, p-value = 0.02481

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3142362

[1] 56

[1] 57

[1] 58

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.1683, p-value = 0.001533

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.42389

[1] 59

[1] 60

[1] 61

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.7031, p-value = 0.00687

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3664058

[1] 62

[1] 63

[1] 64

[1] 65

[1] 66

[1] 67

[1] 68

[1] 69

[1] 70

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 5.726, p-value = 1.028e-08

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.7217564

[1] 71

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.0813, p-value = 0.03741

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.2597457

[1] 72

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.1039, p-value = 0.00191

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3826857

> n <- 35

> print(n)

[1] 35

> for (i in 36:72) {

+ print(i)

+ correlacion <- cor.test(as.numeric(baro[ ,n]), as.numeric(baro[ ,i]), method = "kendall")

+

+ if (correlacion$p.value <= 0.05) {print(correlacion)}

+ }

[1] 36

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.6185, p-value = 3.866e-06

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.6860004

[1] 37

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.8176, p-value = 0.0001347

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5654316

[1] 38

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.0692, p-value = 0.002147

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4630763

[1] 39

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.2872, p-value = 0.02218

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3386267

[1] 40

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.8649, p-value = 0.004172

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4243509

[1] 41

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.5583, p-value = 0.01052

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3804742

[1] 42

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.7241, p-value = 0.006448

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3978282

[1] 43

[1] 44

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.0364, p-value = 0.002394

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4387926

[1] 45

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.9031, p-value = 0.003695

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4280058

[1] 46

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.3705, p-value = 0.01776

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3396724

[1] 47

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.6091, p-value = 0.009078

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3727855

[1] 48

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.6214, p-value = 0.008757

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3806917

[1] 49

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.4511, p-value = 0.01424

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3595356

[1] 50

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.4149, p-value = 0.0006381

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5083998

[1] 51

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.219, p-value = 0.001286

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4740982

[1] 52

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.7699, p-value = 0.0001633

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5519093

[1] 53

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.7268, p-value = 0.0001939

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5611133

[1] 54

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.4463, p-value = 0.0005682

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4890461

[1] 55

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.9957, p-value = 0.002738

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.435226

[1] 56

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.2701, p-value = 0.0232

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3324204

[1] 57

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.5403, p-value = 0.0003996

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5433151

[1] 58

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.8257, p-value = 0.004718

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4041732

[1] 59

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.5581, p-value = 0.01052

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3778352

[1] 60

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.6151, p-value = 0.008919

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3748976

[1] 61

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.2548, p-value = 0.001135

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4729724

[1] 62

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.5922, p-value = 0.0003279

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5577819

[1] 63

[1] 64

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 1.9841, p-value = 0.04725

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.2889714

[1] 65

[1] 66

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = -2.0068, p-value = 0.04478

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

-0.3477904

[1] 67

[1] 68

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = -2.8342, p-value = 0.004594

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

-0.6217994

[1] 69

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = -3.093, p-value = 0.001981

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

-0.6080381

[1] 70

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.6149, p-value = 0.008925

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3675234

[1] 71

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.3751, p-value = 1.214e-05

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.6076949

[1] 72

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.4318, p-value = 0.0005996

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4711242

> n <- 36

> print(n)

[1] 36

> for (i in 37:72) {

+ print(i)

+ correlacion <- cor.test(as.numeric(baro[ ,n]), as.numeric(baro[ ,i]), method = "kendall")

+

+ if (correlacion$p.value <= 0.05) {print(correlacion)}

+ }

[1] 37

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.2719, p-value = 1.938e-05

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.6229632

[1] 38

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.0674, p-value = 4.755e-05

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.6041947

[1] 39

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.3088, p-value = 0.000937

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4823294

[1] 40

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.2982, p-value = 0.0009729

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4810142

[1] 41

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.6505, p-value = 0.0002617

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5345426

[1] 42

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.5729, p-value = 0.0003531

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5137758

[1] 43

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.9169, p-value = 0.003535

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4164148

[1] 44

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.4569, p-value = 0.0005464

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4919052

[1] 45

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.6793, p-value = 2.878e-06

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.6792513

[1] 46

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.3235, p-value = 1.535e-05

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.6100413

[1] 47

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.1927, p-value = 2.756e-05

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.589887

[1] 48

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.52, p-value = 0.0004316

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5033438

[1] 49

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.9097, p-value = 9.241e-05

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5627645

[1] 50

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.4766, p-value = 0.0005079

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5107268

[1] 51

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.1897, p-value = 0.001424

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.462552

[1] 52

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.0341, p-value = 0.002412

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4373646

[1] 53

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.023, p-value = 0.002503

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4481104

[1] 54

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.1886, p-value = 2.807e-05

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5853015

[1] 55

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.2993, p-value = 0.0009692

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4719853

[1] 56

[1] 57

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.1222, p-value = 0.001795

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4741992

[1] 58

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.3346, p-value = 0.0008543

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4696743

[1] 59

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.1217, p-value = 0.001798

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4539813

[1] 60

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.0115, p-value = 0.0026

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4251075

[1] 61

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.1381, p-value = 3.503e-05

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5921001

[1] 62

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.4733, p-value = 0.000514

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5323139

[1] 63

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.2833, p-value = 0.02241

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3255291

[1] 64

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.8418, p-value = 0.004486

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4075443

[1] 65

[1] 66

[1] 67

[1] 68

[1] 69

[1] 70

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.3965, p-value = 0.0006827

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4700986

[1] 71

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 5.385, p-value = 7.246e-08

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.7366041

[1] 72

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.7373, p-value = 2.166e-06

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.640499

> n <- 37

> print(n)

[1] 37

> for (i in 38:72) {

+ print(i)

+ correlacion <- cor.test(as.numeric(baro[ ,n]), as.numeric(baro[ ,i]), method = "kendall")

+

+ if (correlacion$p.value <= 0.05) {print(correlacion)}

+ }

[1] 38

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.0358, p-value = 5.442e-05

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.597798

[1] 39

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.6094, p-value = 4.038e-06

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.6700131

[1] 40

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.6501, p-value = 0.0002621

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5308214

[1] 41

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.2028, p-value = 0.001361

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4676442

[1] 42

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.8381, p-value = 0.004539

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4069573

[1] 43

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.3798, p-value = 0.01732

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3387815

[1] 44

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.524, p-value = 0.0116

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3581405

[1] 45

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.1297, p-value = 3.632e-05

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.59777

[1] 46

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.0533, p-value = 0.002264

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4295955

[1] 47

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.5523, p-value = 0.0003819

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4983711

[1] 48

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.6029, p-value = 4.166e-06

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.6563338

[1] 49

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.3201, p-value = 0.0008999

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4773249

[1] 50

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.5008, p-value = 0.01239

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3658009

[1] 51

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.1134, p-value = 0.03457

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3056016

[1] 52

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.3536, p-value = 0.01859

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3383087

[1] 53

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 1.9787, p-value = 0.04785

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.2924711

[1] 54

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 5.9991, p-value = 1.984e-09

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.8359353

[1] 55

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.9557, p-value = 7.63e-05

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5642881

[1] 56

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.2554, p-value = 0.001132

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4680499

[1] 57

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.8498, p-value = 1.236e-06

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.736751

[1] 58

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.6621, p-value = 0.0002502

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5143469

[1] 59

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.4936, p-value = 7.003e-06

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.6516291

[1] 60

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.9339, p-value = 8.062e-07

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.6945127

[1] 61

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.8832, p-value = 0.0001031

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5540564

[1] 62

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.4192, p-value = 0.0006281

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5241439

[1] 63

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.6334, p-value = 0.0002797

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5157939

[1] 64

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.1789, p-value = 2.93e-05

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5975964

[1] 65

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.6485, p-value = 0.0002638

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.577497

[1] 66

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = -2.0758, p-value = 0.03791

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

-0.3554093

[1] 67

[1] 68

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = -2.7225, p-value = 0.006479

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

-0.5842374

[1] 69

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = -2.5564, p-value = 0.01058

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

-0.4901431

[1] 70

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.3341, p-value = 0.0008558

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4601715

[1] 71

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 6.0034, p-value = 1.932e-09

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.8188961

[1] 72

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 5.0388, p-value = 4.685e-07

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.6793561

> n <- 38

> print(n)

[1] 38

> for (i in 39:72) {

+ print(i)

+ correlacion <- cor.test(as.numeric(baro[ ,n]), as.numeric(baro[ ,i]), method = "kendall")

+

+ if (correlacion$p.value <= 0.05) {print(correlacion)}

+ }

[1] 39

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.1285, p-value = 0.001757

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4632245

[1] 40

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.7299, p-value = 0.006336

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.404387

[1] 41

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.5695, p-value = 0.01018

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3821776

[1] 42

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.1015, p-value = 0.0356

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3069345

[1] 43

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.0807, p-value = 0.002065

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4466951

[1] 44

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.6985, p-value = 0.0002168

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5345284

[1] 45

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.0643, p-value = 4.818e-05

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5992532

[1] 46

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.2298, p-value = 0.001239

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4628373

[1] 47

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.0648, p-value = 4.807e-05

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5808247

[1] 48

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.6691, p-value = 3.026e-06

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.6781204

[1] 49

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.4441, p-value = 8.827e-06

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.6499337

[1] 50

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.5375, p-value = 0.0004039

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5271375

[1] 51

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.3062, p-value = 0.0009459

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4869808

[1] 52

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.8336, p-value = 0.004603

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4148653

[1] 53

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.8128, p-value = 0.004912

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4235368

[1] 54

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.0953, p-value = 4.216e-05

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5811935

[1] 55

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.9752, p-value = 7.031e-05

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5775948

[1] 56

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.4365, p-value = 0.0005892

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5032737

[1] 57

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.945, p-value = 7.98e-05

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.6069203

[1] 58

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.6252, p-value = 0.0002887

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5185865

[1] 59

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.1174, p-value = 3.832e-05

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.6081945

[1] 60

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.9361, p-value = 8.282e-05

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5643149

[1] 61

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.6563, p-value = 0.0002559

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.531363

[1] 62

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.8344, p-value = 0.0001259

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.5963554

[1] 63

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.6185, p-value = 0.008832

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3786404

[1] 64

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.69, p-value = 0.007146

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.3918173

[1] 65

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 2.7491, p-value = 0.005976

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4432175

[1] 66

[1] 67

[1] 68

[1] 69

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = -2.3126, p-value = 0.02075

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

-0.4544128

[1] 70

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 3.3779, p-value = 0.0007303

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.4748105

[1] 71

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.5595, p-value = 5.127e-06

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.6333686

[1] 72

Kendall's rank correlation tau

data: as.numeric(baro[, n]) and as.numeric(baro[, i])

z = 4.9269, p-value = 8.355e-07

alternative hypothesis: true tau is not equal to 0

sample estimates:

tau

0.6764385