

[illegible]

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667,0 667,0 0,0 667,0 671,0 671,0 64,43 0,0 671,0 0,0 667,0 667,0 83,333 0,0 0,0 72,933 0,0 0,0 0,0 0,0 29,333 0,0 676,0 0,3 401,0 29,232 3,778 0,0 671,0 0,1 667,54 667,0 44,0 0,0 2,667 0,8 4,667 64,69 333,0 42,667 0,0 0,5 333 0,0 10,667 1,33 0,0 41,892 0,66 667,0 0,0 79,954 0,0 10,135 87,162 97,93 0,3 401,0 1,361 0,0 27,891 5,442 0,0 0,041 0,4 0,082 63,665 68,16 136 0,0 85,834 13,014 21,516 45,037 40,137 20,548 0,0 0,62 545,0 0 11,624 1,3 379 0,0 0,0 73,193 1,064 0,0 4,082 30,622 0,0 70,99 0,1 91,01 53,53 0,0 72,917 31,579 0,4 545,0 31,395 4,706 0,0 51,57 9,5 0,3 895,0 0 5,386 0,4 3,401 0,0 0,399 0,0 1,064 0,0 11,828 1,98 22,887 2,668 3,086 1,618 1,613 1,587 6,6 199,5 86,7 108 65,6 72,5 0,0 199,1 3,622 44,48 10,1297

> 5,5

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> ss_333.3, 333.8, 330.872, 0.667, 333.3, 333.3, 330.6, 330.667)
#>
#> ss_667.6, 667.0, 667.0, 667.667, 333.3, 667.0, 667.0, 44.667, 1.333, 667.3, 667.0, 667.114, 409.2, 613.4, 667.51, 007.12, 752.2, 667.26, 0.0, 0.0, 6.667, 0.0, 6.667, 0.0, 6.667, 8.667, 0.11, 333.1, 667.1, 667.6, 122.6, 6.081, 2.667, 0.971, 2.88
#> 3.361, 9.333, 667.3, 62.432, 0.612, 74.22, 88.667, 21.333, 667.502, 5.333, 0.1, 333.3, 0.73, 667.4, 611.20, 448.6, 385.4, 448.5, 517.0, 69.182, 759.0, 0.988, 0.0, 8.661, 806.24, 793.1, 653.1, 165.4, 835.0, 8.26, 446.2, 4.592, 4.78
#> 79.0, 3.361, 10.345, 7.207, 2.9, 60.167, 7.138, 99.615, 888.21, 239.0, 7.117, 6.148, 11.881, 9.333, 667.3, 616.20, 732.6, 897.6, 132.462, 1.389, 49.9, 1.98, 71.765, 0.4, 8.088, 5.758, 0.971, 18.333, 11.111, 2.72, 7.776, 11.628, 5.

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2.439,2.439,2.195,0,0,2.5,0,2.564,12.5,33.333,0,0,0,16.667,0,0,0,0,3.125,8.824,0,0,2.941,0,0,7.692,0,4.348,0,4.167,11.111,53.333,0,3.333,6.061,0,19.355,0,0,0)

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```

> partial_Spearman(T | V ~ A)
      est      stderr      p lower CI upper CI
partial Spearman 0.2964541 0.01629872 1.394196e-65 0.2641874 0.328058
Fisher Transform: TRUE
Confidence Interval: 95%
Number of Observations: 3385
> partial_Spearman(A | T ~ CS)
      est      stderr      p lower CI upper CI
partial Spearman 0.2857296 0.01700453 9.72925e-57 0.2520671 0.3187015
Fisher Transform: TRUE
Confidence Interval: 95%
Number of Observations: 3385
> partial_Spearman(A | V ~ CS)
      est      stderr      p lower CI upper CI
partial Spearman 0.1573736 0.01739008 5.612266e-19 0.1231152 0.1912574
Fisher Transform: TRUE
Confidence Interval: 95%
Number of Observations: 3385
> partial_Spearman(A | V ~ T)
      est      stderr      p lower CI upper CI
partial Spearman 0.2748021 0.01642433 9.303416e-57 0.2423133 0.3066753
Fisher Transform: TRUE
Confidence Interval: 95%
Number of Observations: 3385
> partial_Spearman(A | T ~ V)
      est      stderr      p lower CI upper CI
partial Spearman 0.4035529 0.01549549 3.155074e-118 0.3727448 0.4334724
Fisher Transform: TRUE
Confidence Interval: 95%
Number of Observations: 3385
>
>
>
>
>
>
> pcouse(V, T, n999 = 999)
[1] 1
> pcouse(V, I, n999 = 999)
[1] 0.9449449
>
>

```