Tables comparing observed network statistics with 95% intervals for bootstrap/jackknife differences and degree sequences at different time points

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Friendship Network

Transitivity

Time points 1 and 2

Statistic	T1	T2	T2 - T1	95% difference interval	95% degseq
Transitivity	0.508	0.561	0.053	boot: [-0.01, 0.163] jack: [0.009, 0.084]	F
Mean Degree	4.846	6.538	1.692	boot: [2.462, 3.077] jack: [1.16, 2.1]	F
Edge Density	0.194	0.262	0.068	boot: [0.098, 0.123] jack: [0.048, 0.088]	F
Coreness, k > 1	25	25	0	boot: [2, 4] jack: [-1.375, 2]	F

Mean Degree

```
##            Boot 2.5%  Boot 97.5%   Jack 2.5%  Jack 97.5% Degseq 2.5%
## T2 - T1   2.46153846  3.07692308  1.16000000  2.10000000  1.69230769
## T3 - T2   1.76923077  2.38461538  0.42000000  1.40000000  0.92307692
## T4 - T3 -2.69230769 -2.15192308 -1.21000000 -0.32000000 -0.84615385
## T3 - T1   4.53846154  5.15384615  1.99000000  3.06000000  2.61538462
## T4 - T2 -0.61538462  0.00000000 -0.38000000  0.67000000  0.07692308
## T4 - T1   2.15384615  2.76923077  1.11000000  2.15000000  1.76923077
##          Degseq 97.5%
## T2 - T1   1.69230769
## T3 - T2   0.92307692
## T4 - T3  -0.84615385
## T3 - T1   2.61538462
## T4 - T2   0.07692308
## T4 - T1   1.76923077
```

Edge Density

```
##             Boot 2.5%   Boot 97.5%   Jack 2.5%   Jack 97.5%  Degseq 2.5%
## T2 - T1  0.098461538  0.123076923  0.048333333  0.087500000  0.067692308
## T3 - T2  0.070769231  0.095384615  0.017500000  0.058333333  0.036923077
## T4 - T3 -0.107692308 -0.086076923 -0.050416667 -0.013333333 -0.033846154
```

```
## T3 - T1  0.181538462  0.206153846  0.082916667  0.127500000  0.104615385
## T4 - T2 -0.024615385  0.000000000 -0.015833333  0.027916667  0.003076923
## T4 - T1  0.086153846  0.110769231  0.046250000  0.089583333  0.070769231
##         Degseq 97.5%
## T2 - T1  0.067692308
## T3 - T2  0.036923077
## T4 - T3 -0.033846154
## T3 - T1  0.104615385
## T4 - T2  0.003076923
## T4 - T1  0.070769231
```

Number of nodes in k-cores where k > 1

```
##         Boot 2.5% Boot 97.5% Jack 2.5% Jack 97.5% Degseq 2.5% Degseq 97.5%
## T2 - T1     2.000      4.000    -1.375      2.000      -0.025        1.000
## T3 - T2    -1.000     -1.000    -3.000      0.000      -3.000       -1.975
## T4 - T3     1.000      1.000     1.000      3.000       2.000        3.000
## T3 - T1     1.000      3.000    -3.000      0.000      -3.000       -1.000
## T4 - T2     0.000      0.000    -1.000      2.000       0.000        1.000
## T4 - T1     2.000      4.000    -1.000      2.000       0.000        1.000
```

Tortoise Network

Transitivity

```
##               Boot 2.5%  Boot 97.5%   Jack 2.5%  Jack 97.5%  Degseq 2.5%
## '98 - '97  0.072827303  0.192912705  0.097630550  0.134694497  0.047650273
## '99 - '98 -0.127207949  0.024631440  0.075019905  0.119180171 -0.193234476
## '99 - '97  0.008583575  0.158694042  0.193214435  0.238641857 -0.083439477
##          Degseq 97.5%
## '98 - '97  0.151885170
## '99 - '98 -0.040280352
## '99 - '97  0.051116076
```

Mean Degree

```
##          Boot 2.5% Boot 97.5%  Jack 2.5% Jack 97.5% Degseq 2.5% Degseq 97.5%
## '98 - '97 -1.1856481 -1.0000000 -1.1214953 -0.8785047  -1.0000000   -1.0000000
## '99 - '98 -1.2407407 -1.0925926 -1.6509346 -1.4766355  -1.6296296   -1.6296296
## '99 - '97 -2.3518519 -2.1851852 -2.6789720 -2.4799065  -2.6296296   -2.6296296
```

Edge Density

```
##               Boot 2.5%   Boot 97.5%    Jack 2.5%    Jack 97.5%  Degseq 2.5%
## '98 - '97 -0.011080824 -0.009345794 -0.010580145 -0.008287780 -0.009345794
## '99 - '98 -0.011595708 -0.010211146 -0.015574855 -0.013930524 -0.015230183
## '99 - '97 -0.021979924 -0.020422291 -0.025273320 -0.023395345 -0.024575978
##          Degseq 97.5%
## '98 - '97 -0.009345794
## '99 - '98 -0.015230183
## '99 - '97 -0.024575978
```

Number of nodes in k-cores where k > 1

```
##              Boot 2.5% Boot 97.5% Jack 2.5% Jack 97.5% Degseq 2.5% Degseq 97.5%
## '98 - '97    -33.000    -27.000   -37.325    -33.000     -39.000      -31.000
## '99 - '98    -24.000    -19.000   -20.000    -16.000     -22.000      -14.000
## '99 - '97    -55.000    -47.000   -56.000    -50.675     -58.000      -48.000
```