**Model 1**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **effects** | **observed** | **mean** | **stddev** | **t-ratio** |
| arc | 307 | 309.484 | 34.421 | -0.072 |
| reciprocity | 42 | 41.253 | 9.439 | 0.079 |
| **Sink** | **10** | **7.626** | **2.652** | **0.895** |
| Source | 26 | 26.219 | 2.346 | -0.093 |
| AinS(2.00) | 391.259 | 390.847 | 60.36 | 0.007 |
| **AoutS(2.00)** | **326.896** | **317.983** | **55.55** | **0.16** |
| **AT-C(2.00)** | **92.25** | **81.696** | **37.081** | **0.285** |
| **AT-TDU(2.00)** | **153.693** | **141.325** | **44.913** | **0.275** |
| **A2P-TDU(2.00)** | **866.865** | **832.62** | **179.926** | **0.19** |
| **Std Dev in-degree dist** | **4.35** | **3.529** | **0.358** | **2.292** |
| **Skew in-degree dist** | **2.195** | **1.223** | **0.167** | **5.826** |
| Std Dev out-degree dist | 2.453 | 2.011 | 0.24 | 1.841 |
| Skew out-degree dist | 0.936 | 0.504 | 0.283 | 1.53 |
| CorrCoef in-out-degree dists | 0.269 | 0.498 | 0.086 | -2.669 |
| Global Clustering Cto | 0.166 | 0.158 | 0.024 | 0.326 |
| Global Clustering Cti | 0.081 | 0.088 | 0.015 | -0.447 |
| **Global Clustering Ctm** | **0.179** | **0.135** | **0.018** | **2.422** |
| Global Clustering Ccm | 0.095 | 0.075 | 0.023 | 0.839 |
| **Global Clustering AKC-T** | **0.163** | **0.125** | **0.014** | **2.651** |
| Global Clustering AKC-D | 0.139 | 0.137 | 0.018 | 0.111 |
| Global Clustering AKC-U | 0.073 | 0.082 | 0.012 | -0.677 |
| Global Clustering AKC-C | 0.09 | 0.069 | 0.019 | 1.127 |

**Model 2**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **effects** | **observed** | **mean** | **stddev** | **t-ratio** |
| arc | 307 | 307.056 | 70.749 | -0.001 |
| reciprocity | 42 | 41.771 | 16.449 | 0.014 |
| Sink | 10 | 9.84 | 4.434 | 0.036 |
| Source | 26 | 25.626 | 3.875 | 0.097 |
| AinS(2.00) | 391.259 | 391.049 | 122.434 | 0.002 |
| AoutS(2.00) | 326.896 | 327.147 | 112.082 | -0.002 |
| AT-C(2.00) | 92.25 | 89.793 | 59.095 | 0.042 |
| AT-TDU(2.00) | 153.693 | 152.977 | 80.395 | 0.009 |
| A2P-TDU(2.00) | 866.865 | 862.906 | 353.58 | 0.011 |
| logino\_Sender | 4643.243 | 4637.47 | 1096.978 | 0.005 |
| logino\_Receiver | 4991.03 | 4993.639 | 1168.581 | -0.002 |
| logino\_diff | 777.121 | 774.122 | 169.179 | 0.018 |
| logino\_diff\_reciprocity | 428.923 | 426.797 | 34.094 | 0.062 |
| Std Dev in-degree dist | 4.35 | 3.625 | 0.703 | 1.032 |
| **Skew in-degree dist** | **2.195** | **1.426** | **0.314** | **2.447** |
| Std Dev out-degree dist | 2.453 | 2.188 | 0.384 | 0.691 |
| Skew out-degree dist | 0.936 | 0.658 | 0.246 | 1.132 |
| CorrCoef in-out-degree dists | 0.269 | 0.463 | 0.127 | -1.526 |
| Global Clustering Cto | 0.166 | 0.156 | 0.034 | 0.311 |
| Global Clustering Cti | 0.081 | 0.089 | 0.02 | -0.374 |
| Global Clustering Ctm | 0.179 | 0.14 | 0.026 | 1.523 |
| Global Clustering Ccm | 0.095 | 0.076 | 0.027 | 0.69 |
| Global Clustering AKC-T | 0.163 | 0.129 | 0.021 | 1.663 |
| Global Clustering AKC-D | 0.139 | 0.136 | 0.025 | 0.13 |
| Global Clustering AKC-U | 0.073 | 0.082 | 0.016 | -0.521 |
| Global Clustering AKC-C | 0.09 | 0.07 | 0.023 | 0.892 |

**Model 3**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **effects** | **observed** | **mean** | **stddev** | **t-ratio** |
| arc | 307 | 310.839 | 70.015 | -0.055 |
| reciprocity | 42 | 42.625 | 18.102 | -0.035 |
| Sink | 10 | 9.906 | 4.096 | 0.023 |
| Source | 26 | 26.133 | 4.166 | -0.032 |
| AinS(2.00) | 391.259 | 398.734 | 122.696 | -0.061 |
| AoutS(2.00) | 326.896 | 333.052 | 115.74 | -0.053 |
| AT-C(2.00) | 92.25 | 94.984 | 69.114 | -0.04 |
| AT-TDU(2.00) | 153.693 | 158.613 | 89.092 | -0.055 |
| A2P-TDU(2.00) | 866.865 | 886.949 | 372.665 | -0.054 |
| Binlarge\_interaction | 12 | 12.124 | 4.739 | -0.026 |
| Binmajor\_interaction | 74 | 75.848 | 23.018 | -0.08 |
| Binsmall\_sender | 15 | 15.189 | 5.347 | -0.035 |
| Binlarge\_sender | 84 | 85.197 | 20.333 | -0.059 |
| Binmajor\_sender | 122 | 123.634 | 33.681 | -0.049 |
| Binsmall\_receiver | 7 | 7.032 | 3.742 | -0.009 |
| Binlarge\_receiver | 71 | 71.312 | 19.888 | -0.016 |
| **Binmajor\_receiver** | **193** | **197.555** | **45.323** | **-0.101** |
| Binlarge\_interaction\_reciprocity | 1 | 0.993 | 1.149 | 0.006 |
| Binmajor\_interaction\_reciprocity | 11 | 11.44 | 6.209 | -0.071 |
| Binsmall\_activity\_reciprocity | 4 | 4.014 | 3.054 | -0.005 |
| Binlarge\_activity\_reciprocity | 23 | 23.383 | 10.54 | -0.036 |
| Binmajor\_activity\_reciprocity | 30 | 30.89 | 13.631 | -0.065 |
| Std Dev in-degree dist | 4.35 | 3.636 | 0.662 | 1.078 |
| **Skew in-degree dist** | **2.195** | **1.325** | **0.27** | **3.224** |
| Std Dev out-degree dist | 2.453 | 2.229 | 0.443 | 0.506 |
| Skew out-degree dist | 0.936 | 0.684 | 0.268 | 0.943 |