**Table S2.** GAMM models for all integration measures in same-sex proximity networks. Significant effects in bold with \*.

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|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| sna\_measure | sex | beh | R | pred | F\_smooths | F\_prop\_greater\_than | sig |
| Strength | same | Prox | 0.07 | female age | 1.73 | 0.81 |  |
| Strength | same | Prox | 0.49 | male age | 5.34 | 0.95 | \* |
| Strength | same | Prox | 0.06 | female age (with rank) | 3.1 | 0.93 |  |
|  |  |  |  | female rank | 0.76 | 0.56 |  |
| Strength | same | Prox | 0.48 | male age (with rank) | 4.16 | 0.91 |  |
|  |  |  |  | male rank | 0.4 | 0.45 |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| sna\_measure | sex | beh | R | pred | F\_smooths | F\_prop\_greater\_than | sig |
| Local Transitivity | same | Prox | -0.01 | female age | 0 | 0.02 |  |
| Local Transitivity | same | Prox | -0.01 | male age | 0.02 | 0.15 |  |
| Local Transitivity | same | Prox | 0 | female age (with rank) | 0 | 0.01 |  |
|  |  |  |  | female rank | 0.73 | 0.68 |  |
| Local Transitivity | same | Prox | -0.01 | male age (with rank) | 0 | 0.03 |  |
|  |  |  |  | male rank | 1.23 | 0.49 |  |
| Betweeness | same | Prox | -0.01 | female age | 0.27 | 0.26 |  |
| Betweeness | same | Prox | 0.43 | male age | 15.86 | 0.99 | \* |
| Betweeness | same | Prox | 0.1 | female age (with rank) | 3.11 | 0.74 |  |
|  |  |  |  | female rank | 4.77 | 0.86 |  |
| Betweeness | same | Prox | 0.66 | male age (with rank) | 0.98 | 0.19 |  |
|  |  |  |  | male rank | 8.68 | 0.89 |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| sna\_measure | sex | beh | R | pred | F\_smooths | F\_prop\_greater\_than | sig |
| Eigenvector Centrality | same | Prox | 0.02 | female age | 2.11 | 0.84 |  |
| Eigenvector Centrality | same | Prox | 0.7 | male age | 7.24 | 0.99 | \* |
| Eigenvector Centrality | same | Prox | 0.02 | female age (with rank) | 3.17 | 0.92 |  |
|  |  |  |  | female rank | 1.03 | 0.63 |  |
| Eigenvector Centrality | same | Prox | 0.69 | male age (with rank) | 7.62 | 1 | \* |
|  |  |  |  | male rank | 10.71 | 1 | \* |