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| Supplementary Table 2. Statistical analysis results for the main network metrics using one-way unbalanced ANOVA. |
| Metric | **Low-IQ**Mean±SD | **High-IQ**Mean±SD | **p** | **Low-IQ****Females**Mean±SD | **High-IQ****Females**Mean±SD | **p** | **Low-IQ****Males**Mean±SD | **Low-IQ****Females**Mean±SD | **p** |
| avg. clust. coeff. | 1.19±0.1 | 1.16±0.1 | **0.007** | 1.21±0.1 | 1.17±0.1 | **0.04** | 1.17±0.1 | 1.21±0.1 | **0.035** |
| char. path length | 0.95±0.1 | 0.96±0.1 | 0.315 | 0.95±0.1 | 0.98±0.04 | 0.111 | 0.95±0.1 | 0.95±0.1 | 0.918 |
| small-worldness | 1.26±0.2 | 1.21±0.1 | **0.027** | 1.29±0.2 | 1.2±0.1 | **0.024** | 1.23±0.1 | 1.29±0.2 | 0.246 |
| connectivity | 0.18±0.1 | 0.21±0.1 | **0.012** | 0.16±0.1 | 0.2±0.1 | **0.017** | 0.20±0.1 | 0.16±0.1 | **0.029** |
| diameter | 0.4±0.2 | 0.34±0.1 | **0.012** | 0.43±0.2 | 0.34±0.1 | **0.011** | 0.36±0.1 | 0.43±0.2 | **0.036** |
| radius | 0.41±0.2 | 0.35±0.1 | **0.018** | 0.44±0.2 | 0.36±0.1 | **0.019** | 0.37±0.2 | 0.44±0.2 | **0.043** |
| leaf fraction | 0.59±0.1 | 0.62±0.1 | 0.101 | 0.59±0.1 | 0.61±0.1 | 0.432 | 0.6±0.1 | 0.59±0.1 | 0.618 |
| tree-hierarchy | 0.3±0.05 | 0.31±0.04 | 0.101 | 0.29±0.05 | 0.3±0.05 | 0.432 | 0.3±0.04 | 0.29±0.05 | 0.618 |
| kappa | 2.27±0.3 | 2.3±0.3 | 0.511 | 2.26±0.3 | 2.32±0.3 | 0.298 | 2.3±0.4 | 2.26±0.3 | 0.717 |
| degree corr. | -0.34±0.1 | -0.37±0.1 | 0.096 | -0.34±0.1 | -0.38±0.1 | 0.126 | -0.33±0.1 | -0.34±0.1 | 0.802 |
| with bold highlight: statistical significant results $(p<0.05)$. |