Between Individuals

HIGH

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Exploration | Novel Latency | Novel Duration | Social |
| Exploration | 0.279 (0.131, 0.559) | -71.693 (-137.282,  -24.375) | 0.088 (0.003, 0.366) | 0.181 (0.066, 0.467) |
| Novel Latency | -0.922 (-0.991, -0.541) | 21670.07165 (11245.29, 51247.953) | - | -76.332 (-162.785,  -27.117) |
| Novel Duration | 0.303 (0.152, 0.893) | - | 0.268 (0.100, 0.499) | 0.269 (0.095, 0.503) |
| Social | 0.454 (0.239, 0.822) | -0.804 (-0.994,  -0.563) | 0.773 (0.515, 0.992) | 0.416 (0.198, 0.830) |

*Table 1: Correlations (bottom left shaded area), variance (diagonal) and covariance (non-shaded area) between individuals for each assay for High Diet treatment group with Confidence Intervals for each value presented in brackets. All significant.*

LOW

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Exploration | Novel Latency | Duration | Social |
| Exploration | 0.344 (0.194, 0.798) | -64.956 (-146.449, -25.492) | 0.226 (0.052, 0.525) | 0.301 (0.036, 0.532) |
| Novel Latency | -0.948 (-0.998, -0.788) | 13663.244 (7000.125, 36543.067) | - | -65.371 (-138.861, -21.407) |
| Novel Duration | 0.697 (0.314, 0.920) | - | 0.240 (0.096, 0.629) | 0.260 (0.113, 0.617) |
| Social | 0.581 (0.307, 0.896) | -0.985 (-0.994, -0.575) | 0.950 (0.854, 0.997) | 0.322 (0.114, 0.713) |

*Table 2: Correlations (bottom left shaded area), variance (diagonal) and covariance (non-shaded area) between individuals for each assay Low Diet treatment group with Confidence Intervals for each value presented in brackets. All significant.*

*Mantel Test results for Between Individuals: Covariance p = 0.299 (Latency), Correlation p = 0.663 (Latency). Covariance p = 0.979 (Duration), Correlation p = 0.351 (Duration)*

Within Individual

HIGH

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Exploration | Novel Latency | Novel Duration | Social |
| Exploration | 0.464 (0.409, 0.593) | -32.282 (-46.081,  -2.412) | 0.107 (0.014, 0.193) | 0.076  (0.013, 0.178) |
| Novel Latency | -0.193 (-0.265, -0.015) | 56207.643 (47426.42, 69409.688) | - | -25.812  (-49.382, 10.927) |
| Novel Duration | 0.171 (0.046, 0.314) | - | 0.822 (0.668, 0.999) | 0.087 (-0.036, 0.188) |
| Social | 0.129 (0.024, 0.278) | -0.122 (-0.236, 0.051) | 0.113 (-0.047, 0.234) | 0.742 (0.614, 0.904) |

*Table 3: Correlations (bottom left shaded area), variance (diagonal) and covariance (non-shaded area) within individuals for each assay High Diet treatment group with Confidence Intervals for each value presented in brackets. All significant.*

LOW

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Exploration | Novel Latency | Novel Duration | Social |
| Exploration | 0.387 (0.327, 0.491) | 35.768(-56.750,  -11.855) | 0.071 (0.015, 0.184) | 0.184 (0.110, 0.269) |
| Novel Latency | -0.243 (-0.357, -0.086) | 56207.643(46345.27, 67697.385) | - | -41.664 (-64.935, -15.380) |
| Novel Duration | 0.131 (0.032, 0.298) | - | 0.740 (0.649, 0.979) | 0.085 (0.020, 0.206) |
| Social | 0.403 (0.257, 0.517) | -0.239 (-0.349,  -0.092) | 0.133 (0.038, 0.294) | 0.539 (0.440, 0.681) |

*Table 4: Correlations (bottom left shaded area), variance (diagonal) and covariance (non-shaded area) within individuals for each assay Low Diet treatment group with Confidence Intervals for each value presented in brackets. All significant.*

*Mantel Test results: Covariance p = 0.703 (Latency), Correlation p = 0.347 (Latency). Covariance p = 0.317 (Duration), Correlation p = 0.981 (Duration) 🡨 put this in results not attached to the end of table*

***Repeatability***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Exploration | Novel (Latency) | Novel Duration | Social |
| High | 0.386 (0.221, 0.547) | 0.288 (0.165, 0.485) | 0.246 (0.090, 0.386) | 0.349 (0.178, 0.524) |
| Low | 0.551 (0.329, 0.693) | 0.208 (0.096, 0.396) | 0.264 (0.128, 0.465) | 0.362 (0.183, 0.601) |

*Table 5: Repeatability values of each assay for both high and low treatment groups with Confidence Intervals presented in brackets. All significant.*

****

**** **** 