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| **Spearman Correlation Coefficients of Cluster Analysis** |
|
| **Cluster I** | Anxiogenic Treatments | **0.652** |
| **Cluster II** | Anxiolytic Treatments | **0.94** |
|  | **Behavioral Cluster A** |  |
| **Sub-cluster 2** | (Turn Angle, Turning Rate, Slow Movements, Freezing Duration, Immobile Duration, Slow Movement Duration) | **0.892** |
| **Sub-cluster 4** | (Freezing Bouts, Immobile Bouts, Mobile Bouts) | **0.703** |
| **Sub-cluster 5** | (Erratic Movements, Stretched Duration) | **0.564** |
|  | **Behavioral Cluster B** |  |
| **Sub-cluster 6** | (Rapid Movement, Distance Traveled, Velocity, Rapid Movement Duration, Highly Mobile Duration, Contracted Duration) | **0.562** |
| **Sub-cluster 8** | (Time in Upper Half, Contracted Body Bouts, Highly Mobile Bouts, Mobile Duration, Normal Body Bouts, Stretched Body Bouts) | **0.511** |
| **Sub-cluster 9** | (Turn Bias, Normal Body Duration) | **0.442** |