Movement Pattern Analysis: What Do Movement Correlations Actually Show?

Position Magnitude Over Time High Distance Correlation Example Bird's Eye View - Open Ended Movement Distance Correlation Movement Patterns Over Time Total distances: User 0 User 0 (total: 21.2m) User 0 velocity U0: 21.2m, U2: 12.7m User 2 User 2 (total: 12.7m) User 2 velocity 3.0 0 Movement Velocity ∾ Z Position (m) **-**2 1.0 **-**3 0.5 50 100 150 200 250 50 100 150 200 250 **-**3 3 X Position (m) Time Index Time Index Position Magnitude Over Time Movement Distance Correlation Low Distance Correlation Example Movement Patterns Over Time Bird's Eye View - Roleplay User 0 velocity User 0 User 0 (total: 223.6m) 3.5 User 2 (total: 60.0m) User 2 velocity User 2 3.0 Movement Velocity δ Z Position (m) 0.5 **-**3 0.0 20 20 80 100 40 60 100 **-**3 40 60 80 X Position (m) Time Index Time Index Position Magnitude Over Time Movement Distance Correlation Medium Distance Correlation Example Bird's Eye View - Silent Movement Patterns Over Time Total distances: User 0 (total: 101.3m) User 0 User 0 velocity 6 U0: 101.3m, U2: 98.9m User 2 (total: 98.9m) User 2 User 2 velocity 3.5 (m) 3.0 2.5 Velocity ₅ Z Position (m) Movem 5 -Distance f 0 1.0 -10.5 **-**2 20 20 40 60 80 100 120 140 40 100 120 140 **-**2 80 **-**4 0 0 60 X Position (m) Time Index Time Index