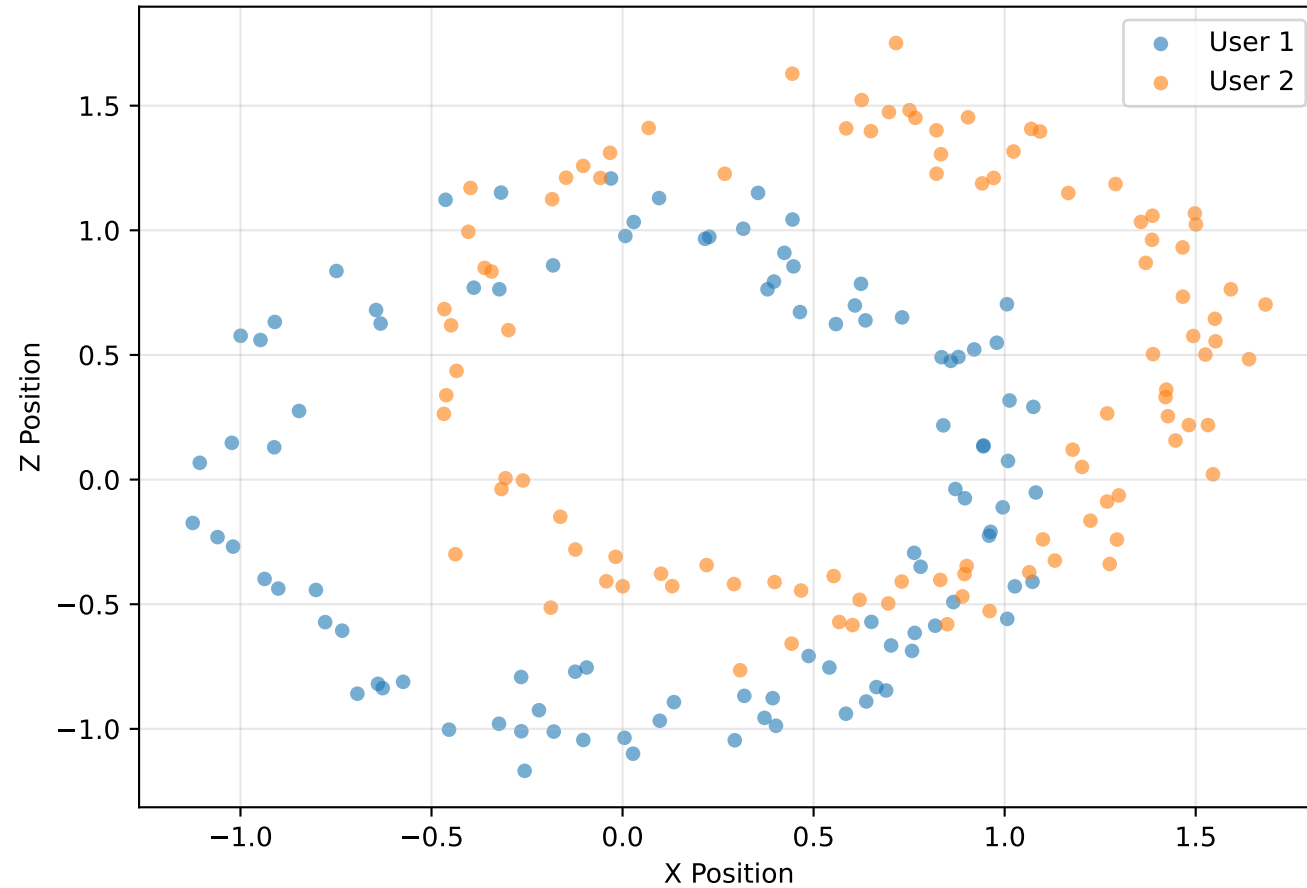
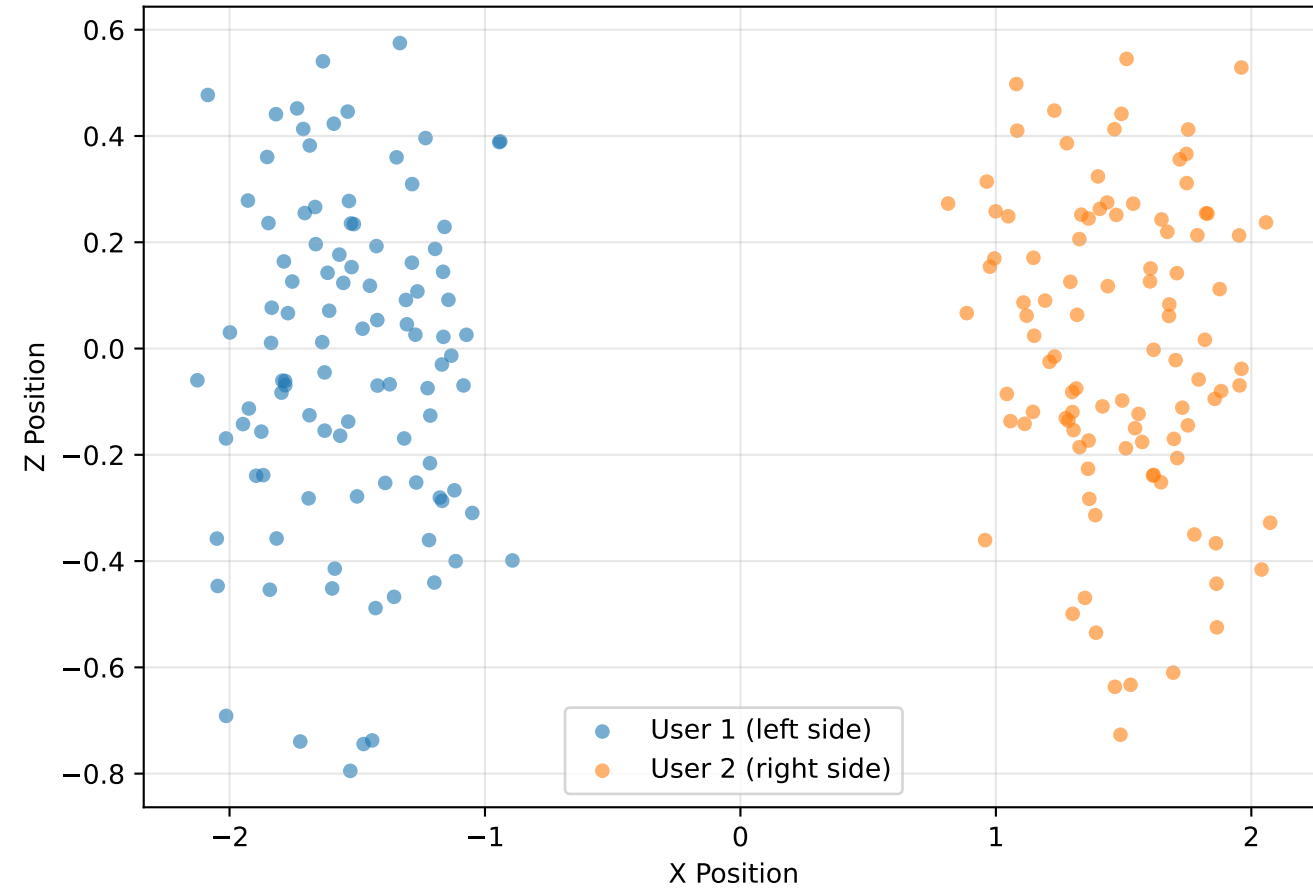


Spatial Positioning vs Collaborative Effectiveness: Different Concepts

High Spatial Correlation
(Moving together, similar areas)



Low Spatial Correlation
(Working on different areas)



Effective Collaboration Patterns:

- Complementary work areas
- Turn-taking in shared spaces
- Coordinated material gathering
- Following/leading behaviors
- Synchronized task phases

*Spatial positioning correlation alone
cannot capture these patterns*

What Our Analysis Measured:

- ✓ Total movement distance similarity
- ✓ Position coordinate correlations
- ✓ Movement timing patterns

What We Did Not Measure:

- ✗ Task-relevant coordination
- ✗ Complementary work patterns
- ✗ Collaborative effectiveness