Tri-Argument Fixation Analysis

Research Question: Do participants in each cohort fixate all relevant arguments during GIVE-with-toy events (50% on-screen trials)?

Hypothesis: Infants younger than 10 months will fail to fixate all three arguments more often than older infants and adults.

Prediction: 10+ month infants and adults will show higher tri-argument fixation rates than 7–9 month infants.

Results:

- 7-month-olds: 8/23 trials (34.8%)

- 8-month-olds: 12/25 trials (48.0%)

- 9-month-olds: 14/32 trials (43.8%)

- 10-month-olds: 26/39 trials (66.7%)

- 11-month-olds: 14/21 trials (66.7%)

- Adults: 33/40 trials (82.5%)

"Give with toy" - Tri-argument fixation coverage by cohort

Tri-argument coverage (%) vs Cohort

- 7-month-olds: 34.8%
- 8-month-olds: 48.0%
- 9-month-olds: 43.8%
- 10-month-olds: 66.7%
- 11-month-olds: 66.7%
- Adults: 82.5%

Significance markers: *** , * , *