



Intact but Atypical Lexical and Syntactic Alignment in Spontaneous Speech of Children with Autism Spectrum Disorder



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












What is Conversational Alignment?

 Edmund C. Tarbell, "Marjorie and Little Edmund"

Figure 1: Edmund C. Tarbell, “Marjorie and Little Edmund”























Do Children Align?

Table 1: Alignment Rate: Do Children Align?

Predictors	Lexical	Syntactic
ASD	 0.09	 -0.16
Visit	 0.15	 0.2
Visit * ASD	 -0.05	 -0.08
Vineland Socialization (VS)	 0.43	 0.17
VS *ASD	 0.15	 0.7
VS * Visit	 -0.09	 0.16
Mullen Expressive Language (MEL)	 0.28	 0.36
MEL * ASD	 0.12	 0
MEL * Visit	 -0.06	 0
MEL * ASD * Visit	 0.01	 0

How Much do Children Align?

















Table 2: Alignment Level: How Much Do Children Align?

Predictors	Lexical	Syntactic
ASD	 -0.19	 0.02
Visit	 -0.05	 -0.06
Visit * ASD	 0.06	 0.03
Vineland Socialization (VS)	 0.04	 0.04
VS *ASD	 0	 -0.56
VS * Visit	 -0.01	 0.03
VS * ASD * Visit	 0	 0
Mullen Expressive Language (MEL)	 -0.02	 -0.06
MEL * ASD	 0.2	 0
MEL * Visit	 0	 0
MEL * ASD * Visit	 -0.04	 0

How Much of Children’s Alignment is Exact Repetition?

Table 3: Exact Repetitions

Predictors	Lexical	Syntactic
ASD	 0.09	 0.16
Visit	 -0.2	 -0.2
Visit * ASD	 0.13	 0.08

Predictors	Lexical	Syntactic
Vineland Socialization (VS)	 0.57	 0.75
VS *ASD	 -0.37	 -0.7
VS * Visit	 -0.13	 -0.16
VS * ASD * Visit	 0	 0
Mullen Expressive Language (MEL)	 -0.56	 -0.47
MEL * ASD	 0.41	 0
MEL * Visit	 0.11	 0
MEL * ASD * Visit	 -0.19	 0

Next Steps

Conclusion

References