

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

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What is Conversational Alignment?

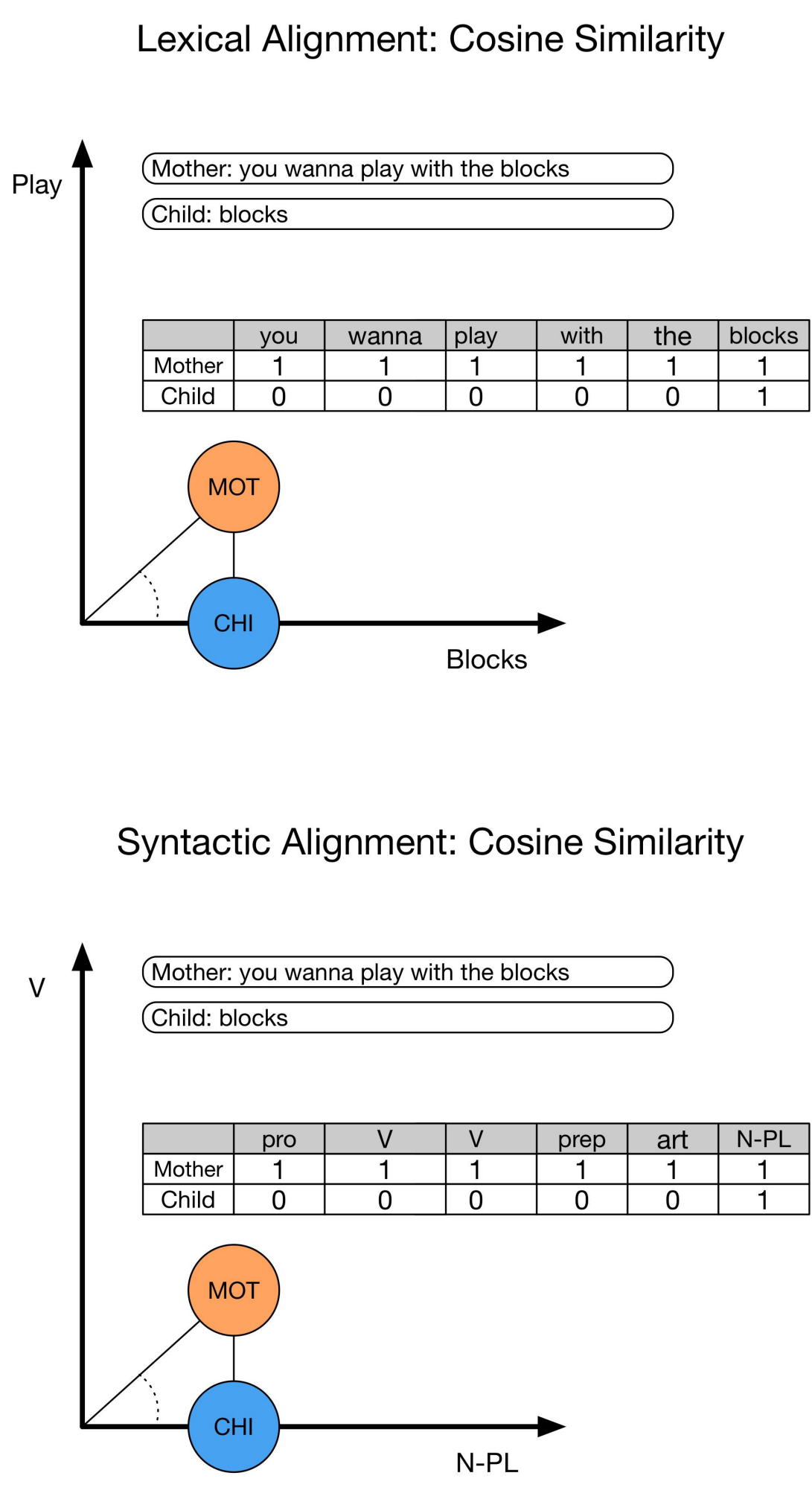


Figure 1: Edmund C. Tarbell, “Marjorie and Little Edmund”

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

Predictors	Lexical	Syntactic
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
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