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

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What is Conversational Alignment?

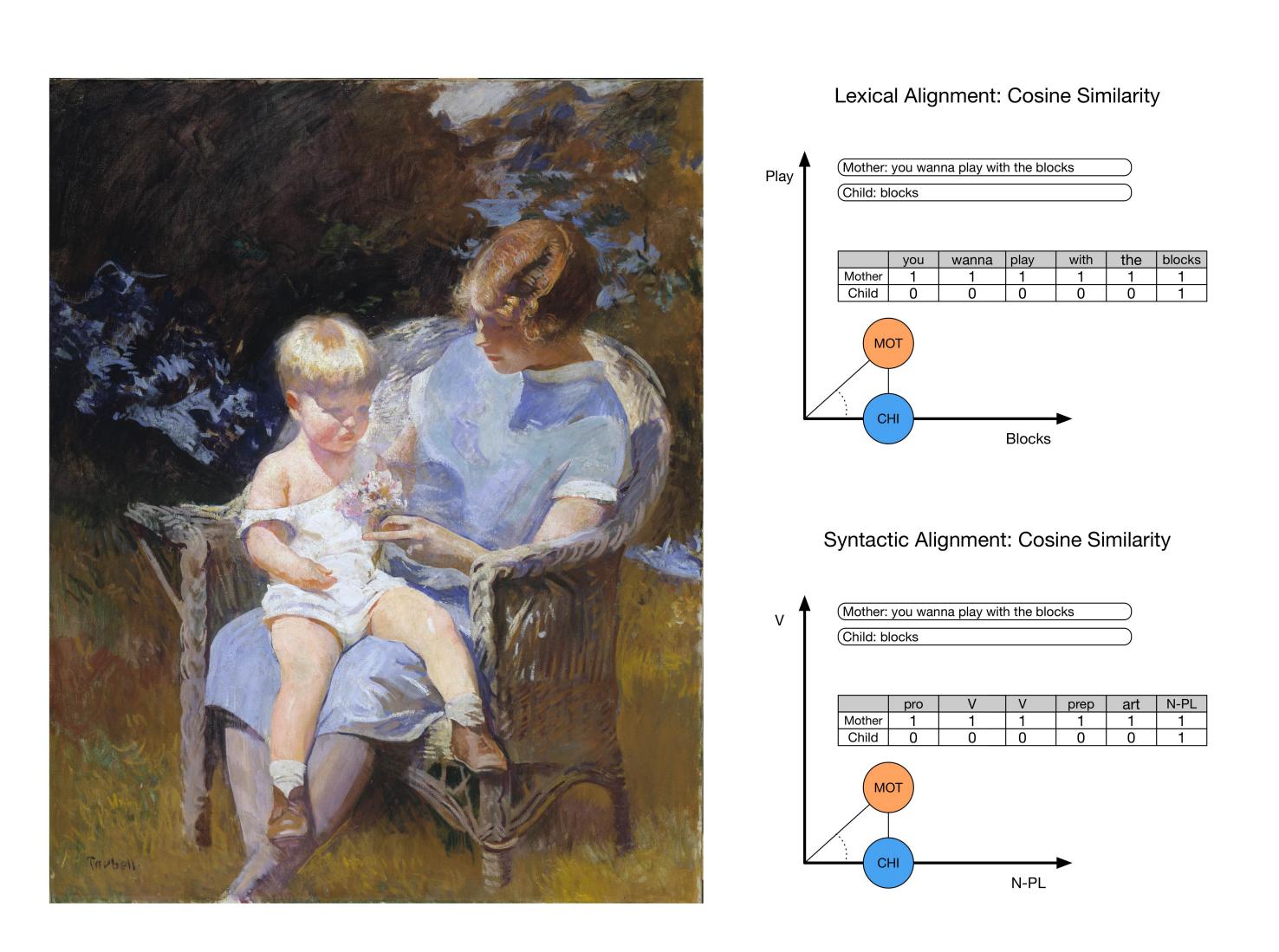


Figure 1: Edmund C. Tarbell, "Marjorie and Little Edmund"

Do Children Align?

Table 1: Alignment Rate: Do Children Align?

Predictors	Lexical	Syntactic
ASD	<mark>0</mark> .09	-0.16
Visit	<mark>0.</mark> 15	<mark>0.</mark> 2
Visit * ASD	-0.05	-0.08
Vineland Socialization (VS)	0.43	<mark>0</mark> .17
VS *ASD	<mark>0.</mark> 15	0.7
VS * Visit	-0.09	<mark>0</mark> .16
Mullen Expressive Language (MEL)	0.28	<mark>0.3</mark> 6
MEL * ASD	<mark>0</mark> .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	<mark>0</mark> .06	0.03
Vineland Socialization (VS)	<mark>0</mark> .04	0.04

PredictorsLexicalSyntacticVS *ASD0-0.56VS * Visit-0.010.03VS * ASD * Visit00Mullen Expressive Language (MEL)-0.02-0.06MEL * ASD0.20MEL * Visit00MEL * ASD * Visit-0.040

How Much of Children's Alignment is Exact Repetition?

Table 3: Exact Repetitions			
Predictors	Lexical	Syntactic	
ASD	<mark>0</mark> .09	<mark>0</mark> .16	
Visit	-0.2	-0.2	
Visit * ASD	<mark>0</mark> .13	<mark>0</mark> .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	<mark>0</mark> .11	0	
MEL * ASD * Visit	-0.19	0	

Next Steps

Conclusion

References