

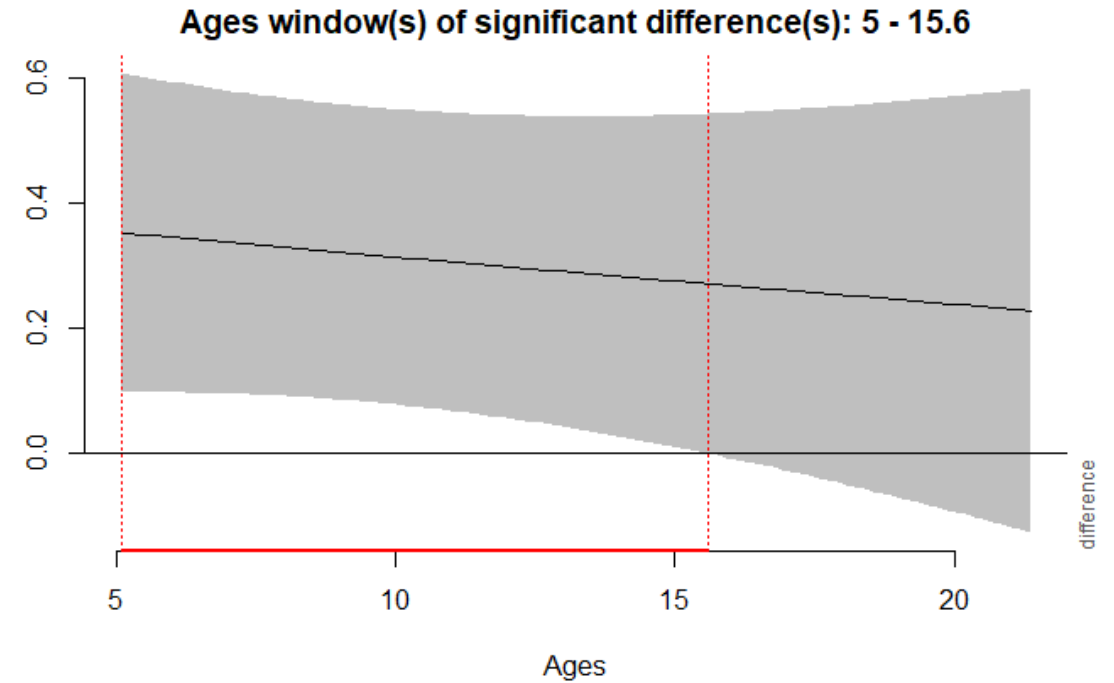
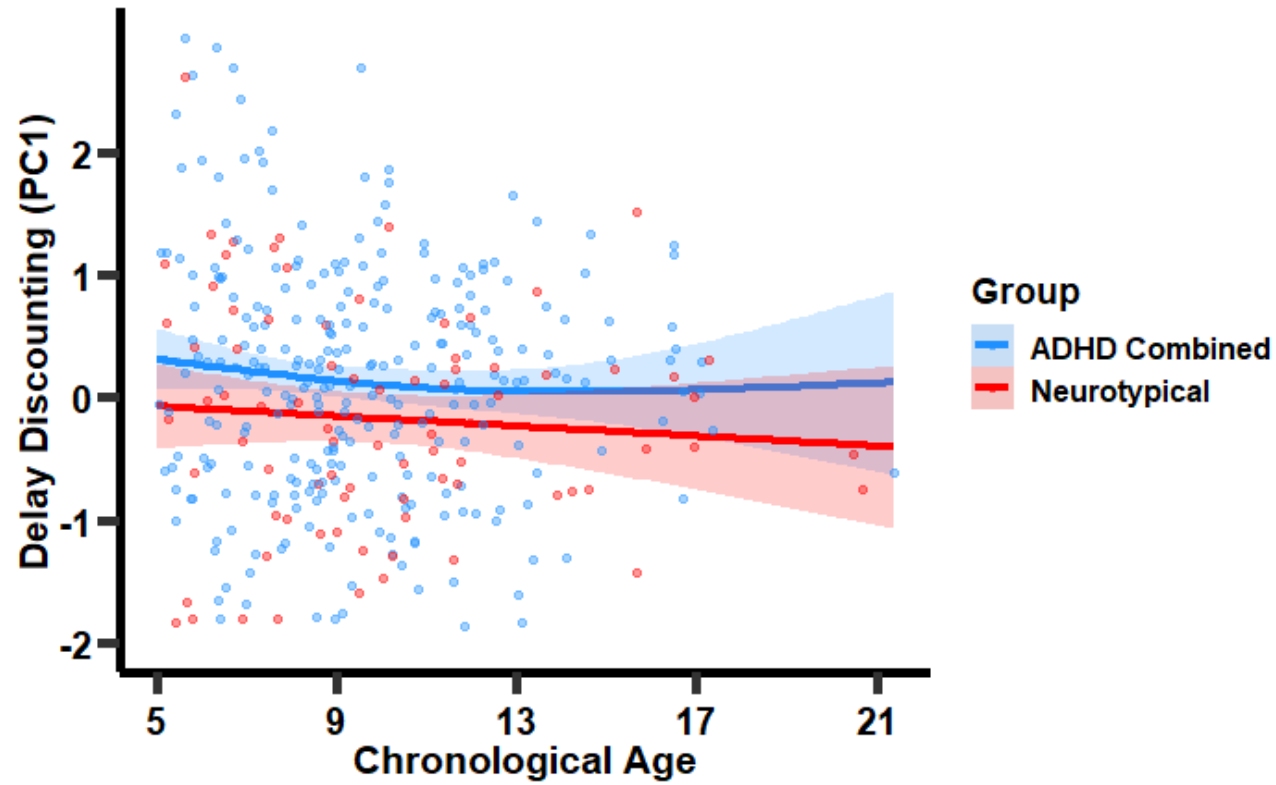
Delay Discounting: Gam and ANOVA Analysis

Principal Component: Gam Analysis

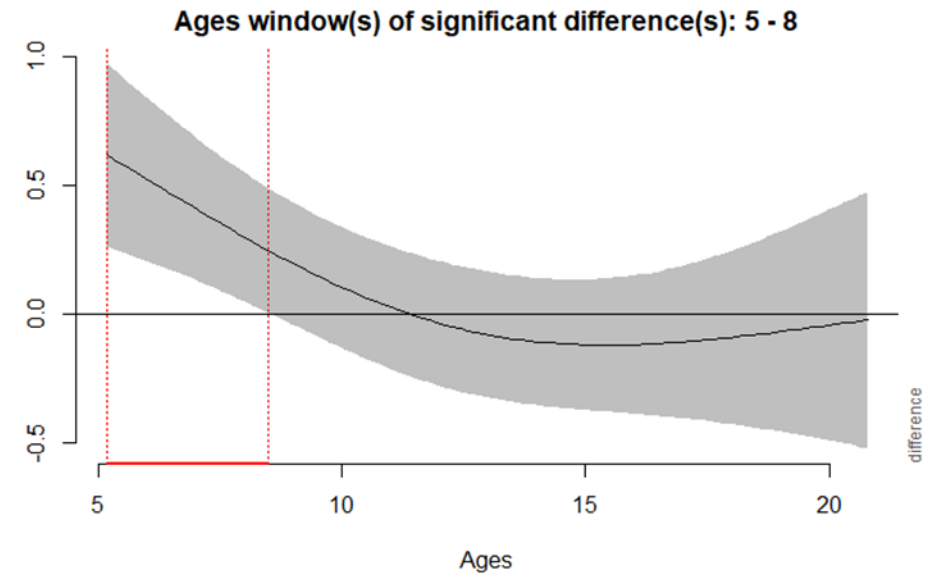
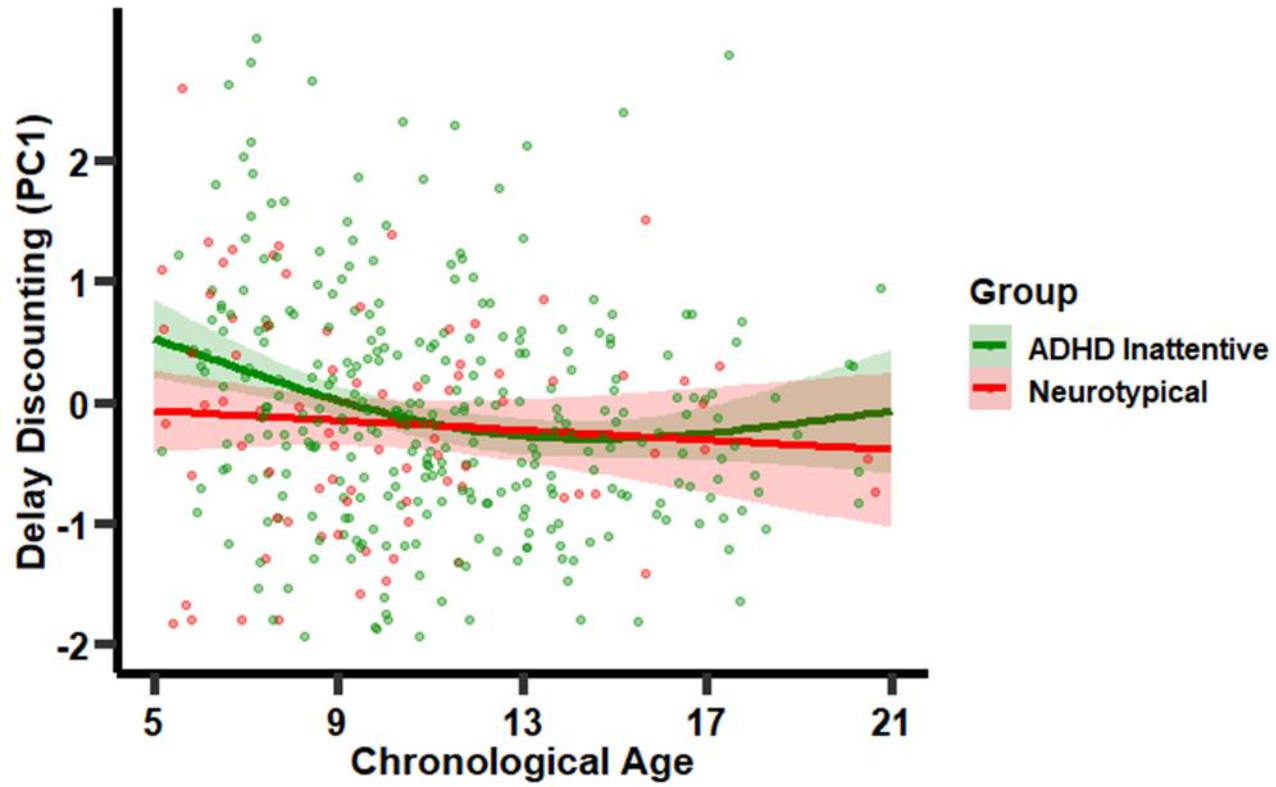
Best Model Fit for PC1 & PC2

- Null, Linear, and Gam models were tested to determine best fit.
- ANOVA and F test revealed GAM model to be the best model fit.
- $p < .00001$

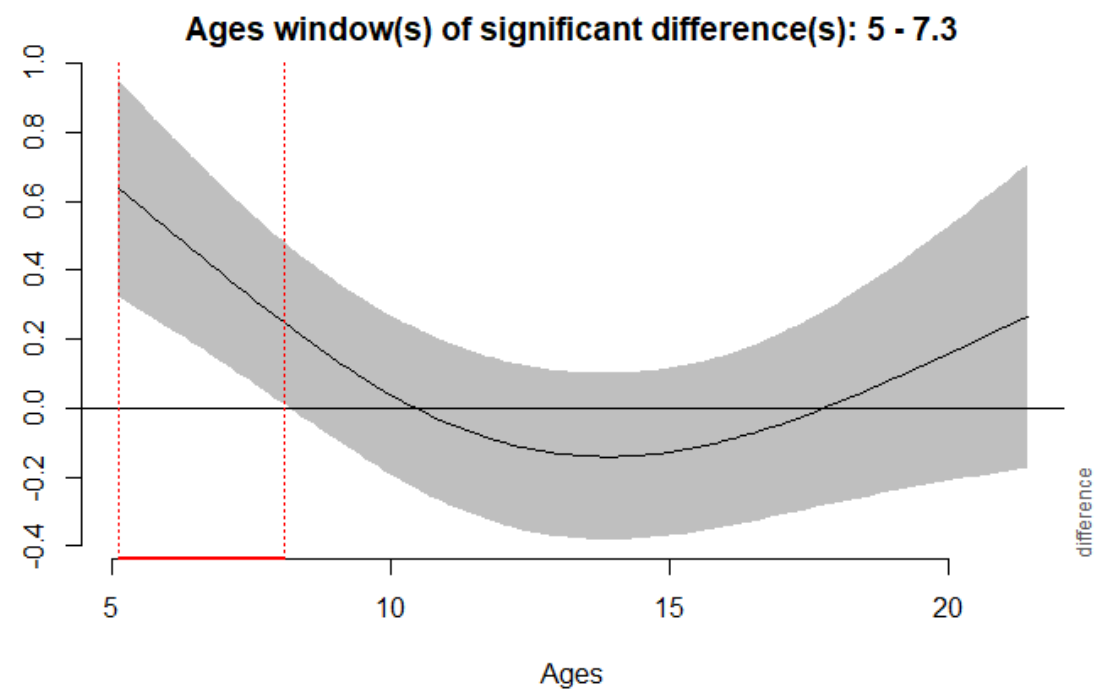
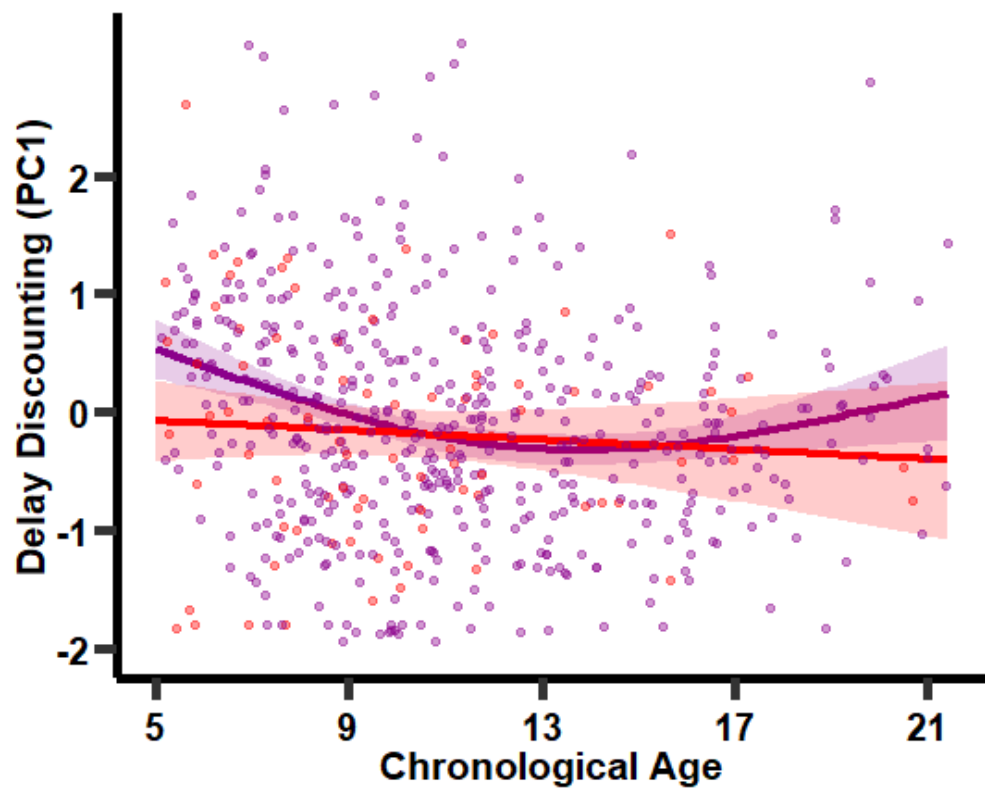
ADHD Combined



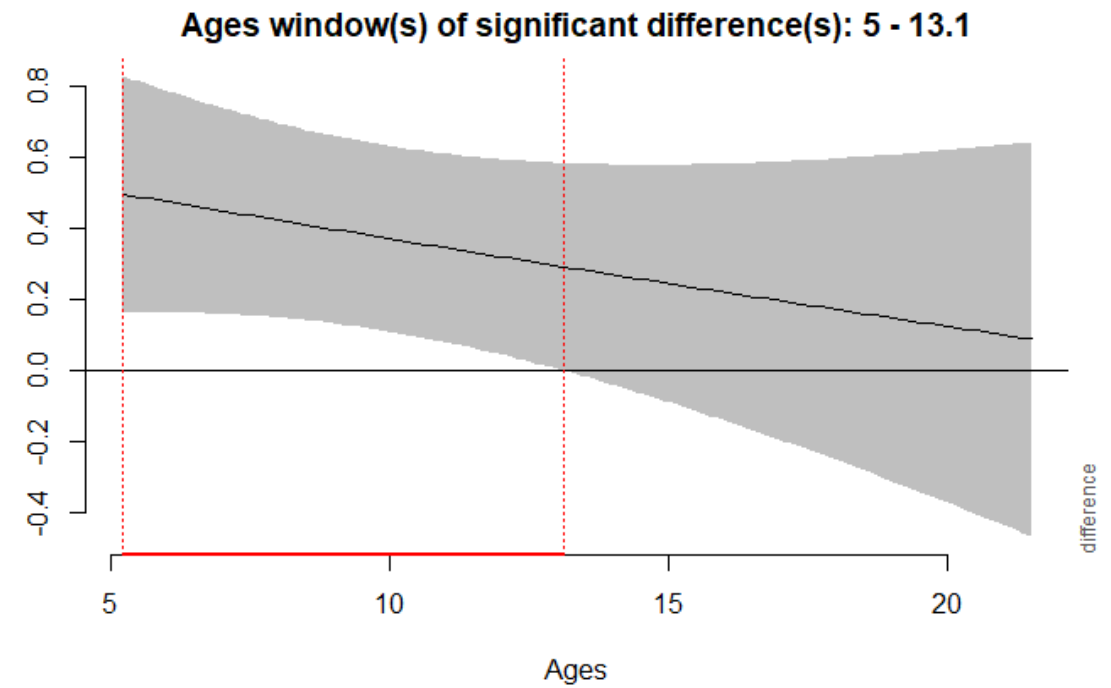
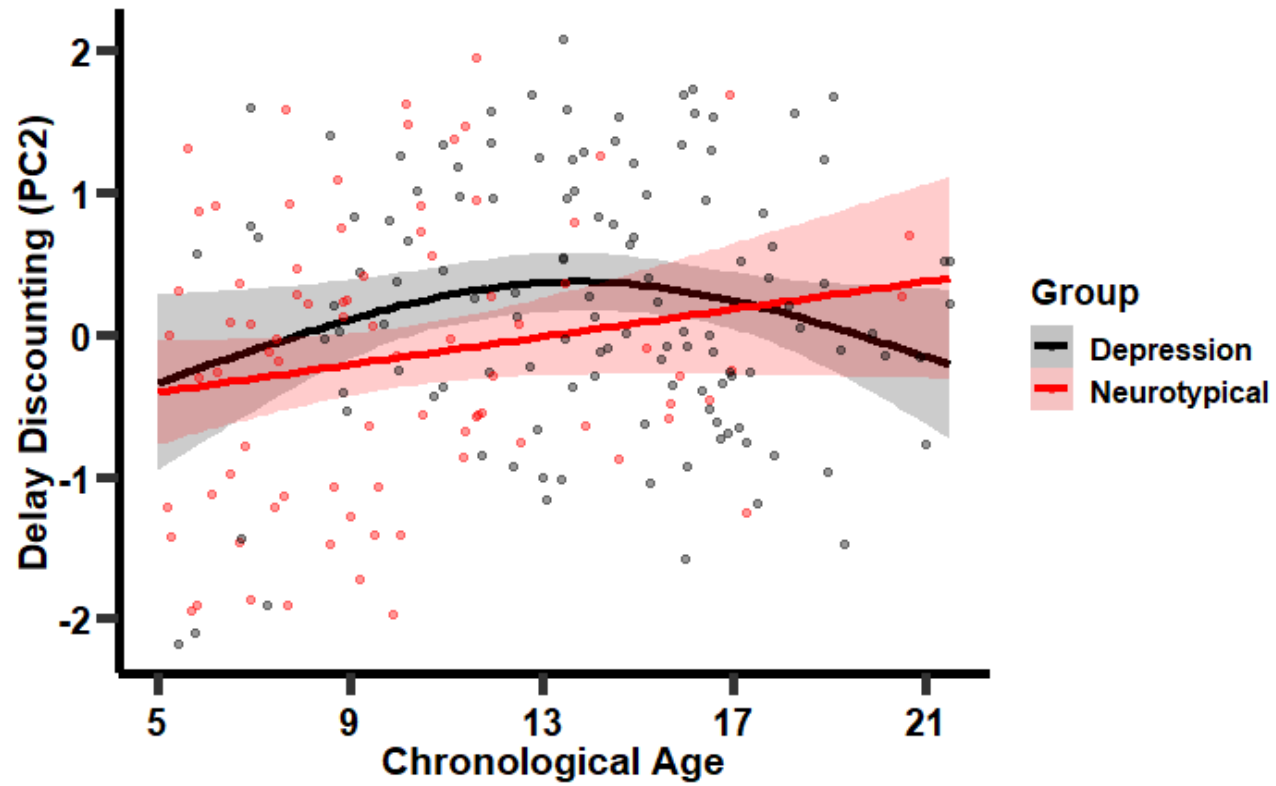
ADHD Inattentive



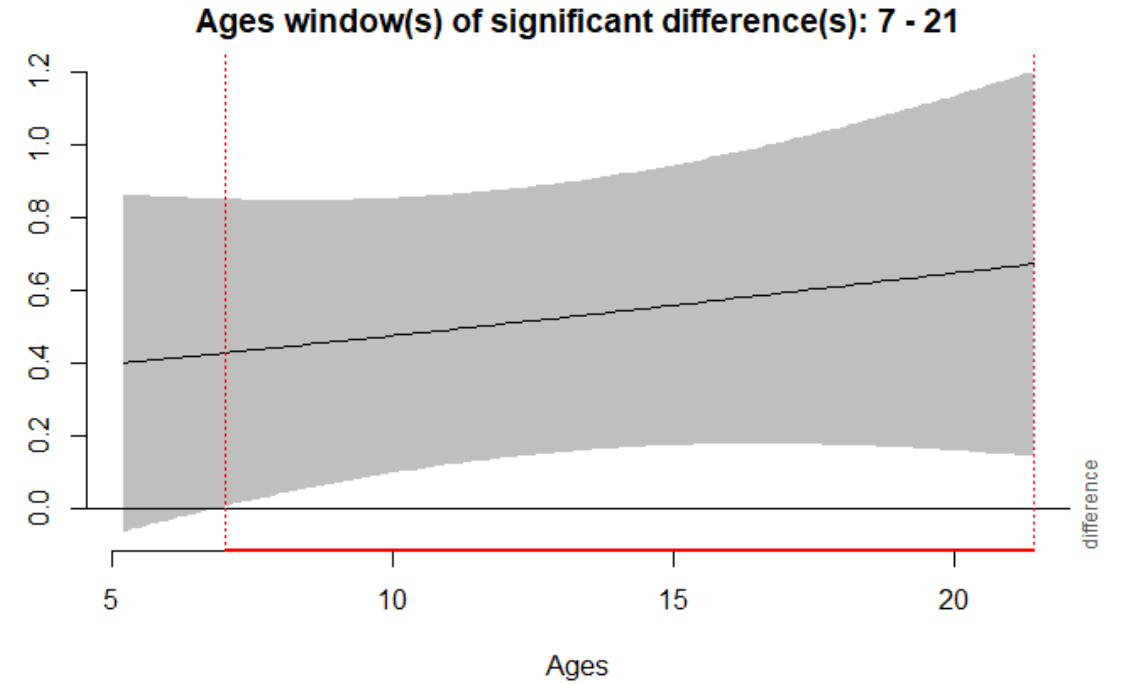
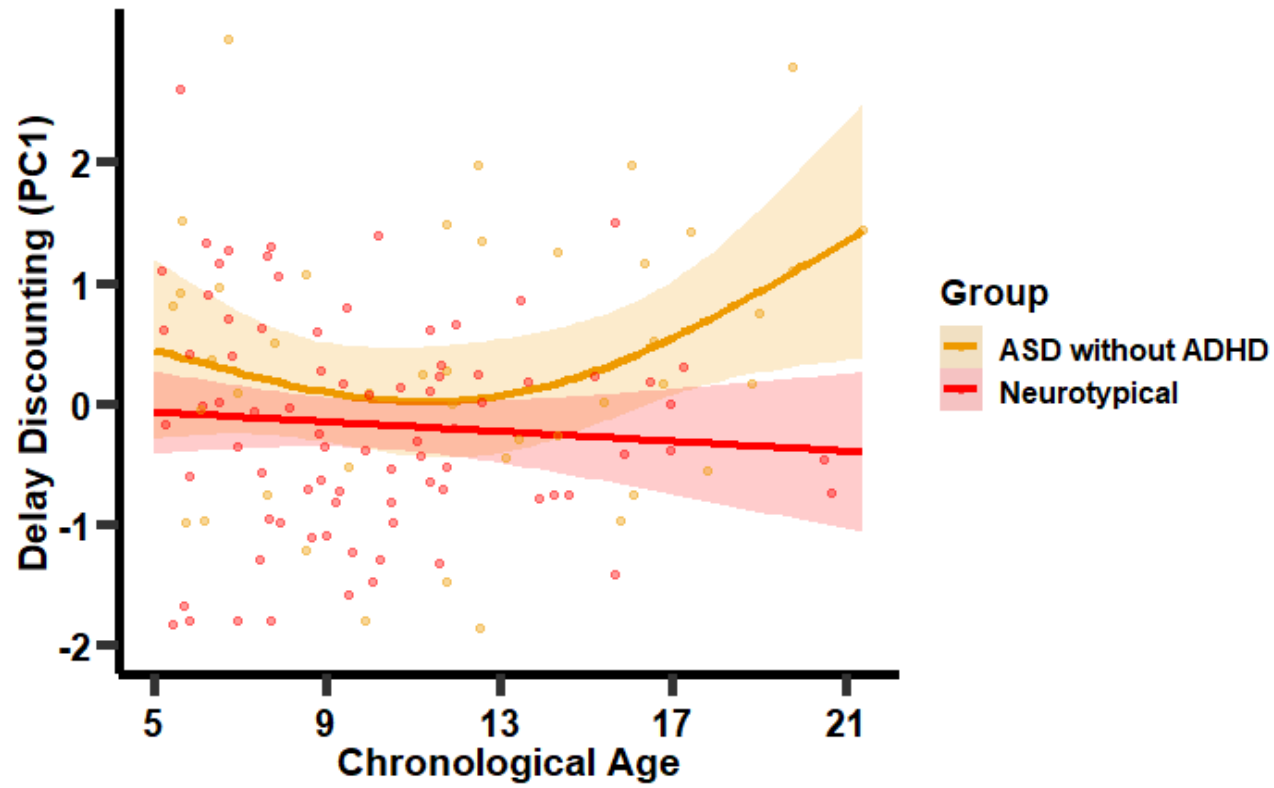
Anxiety



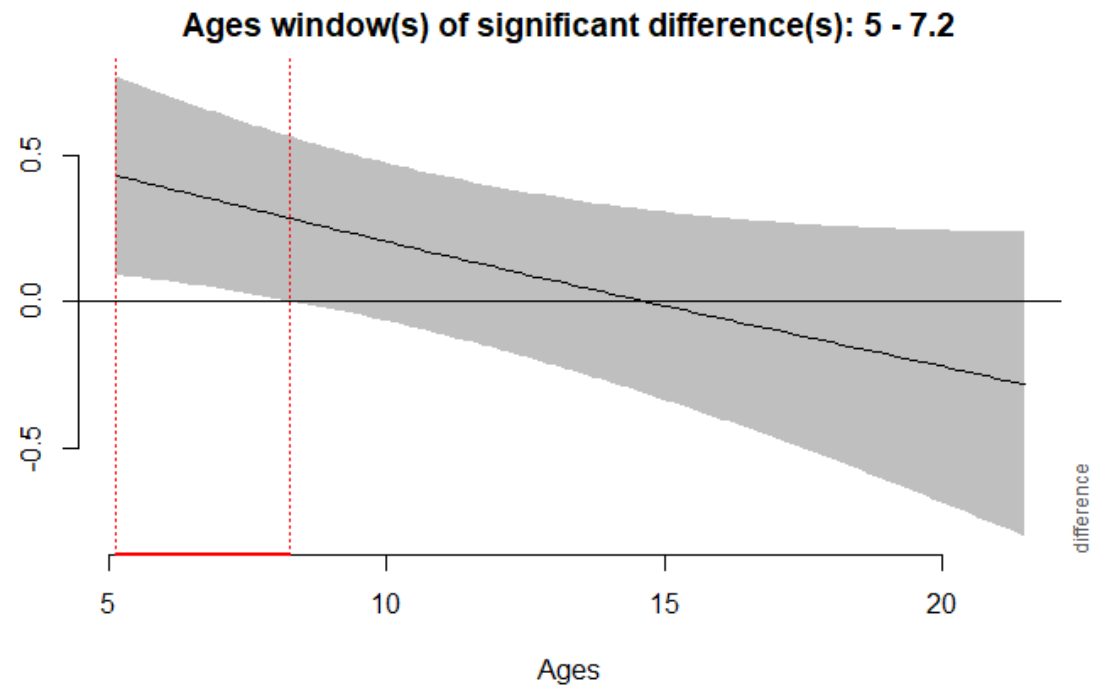
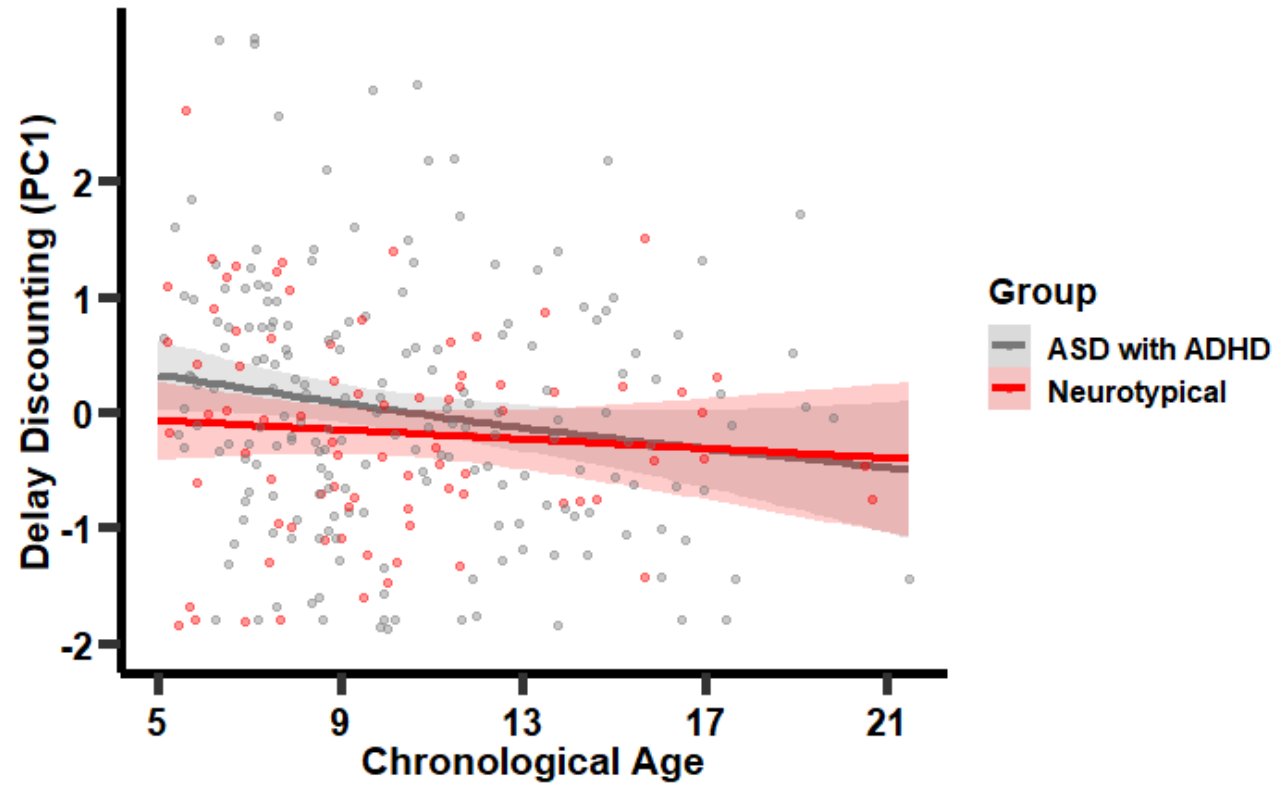
Depression



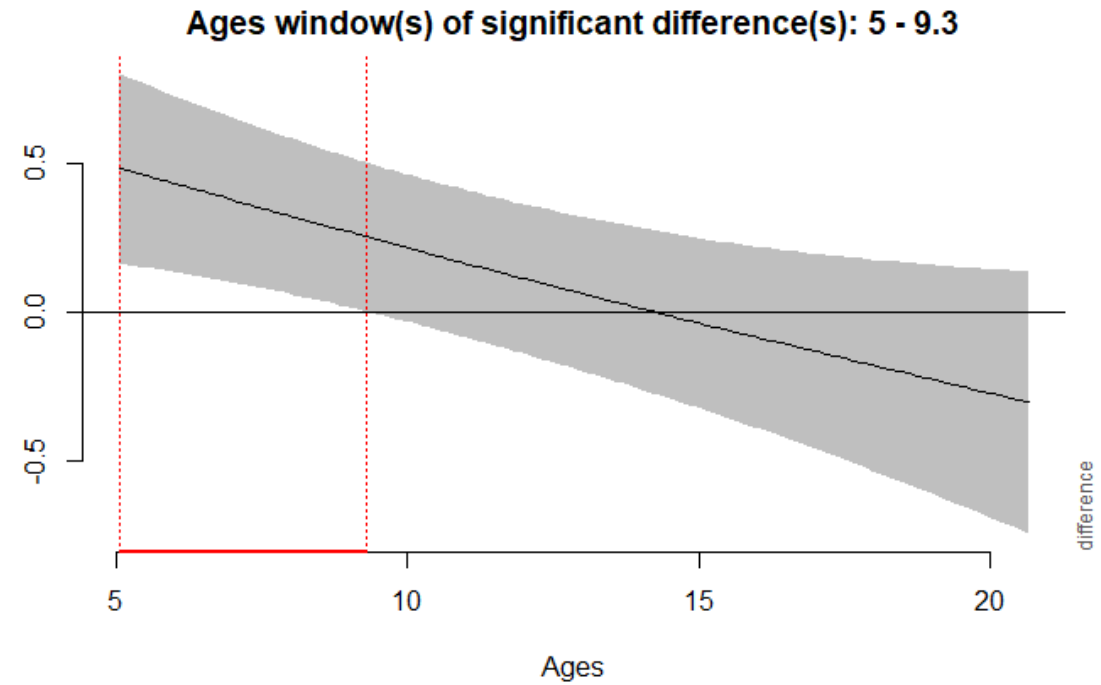
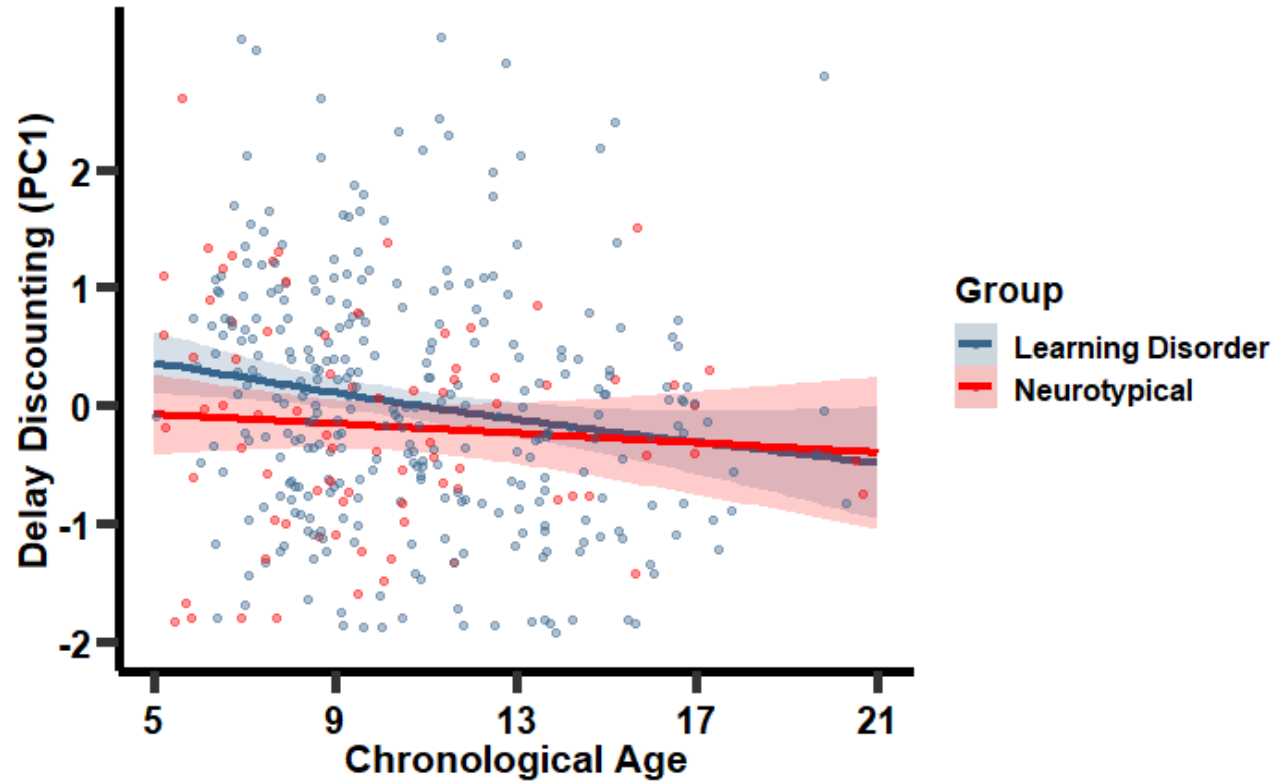
Autism Without ADHD



Autism with ADHD

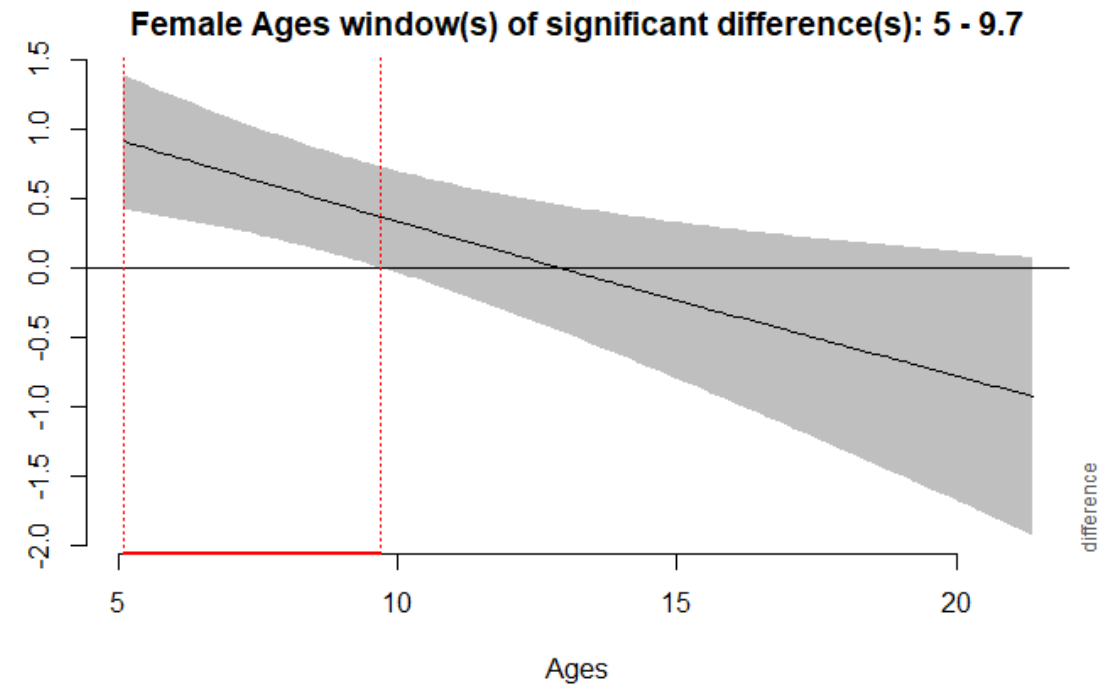
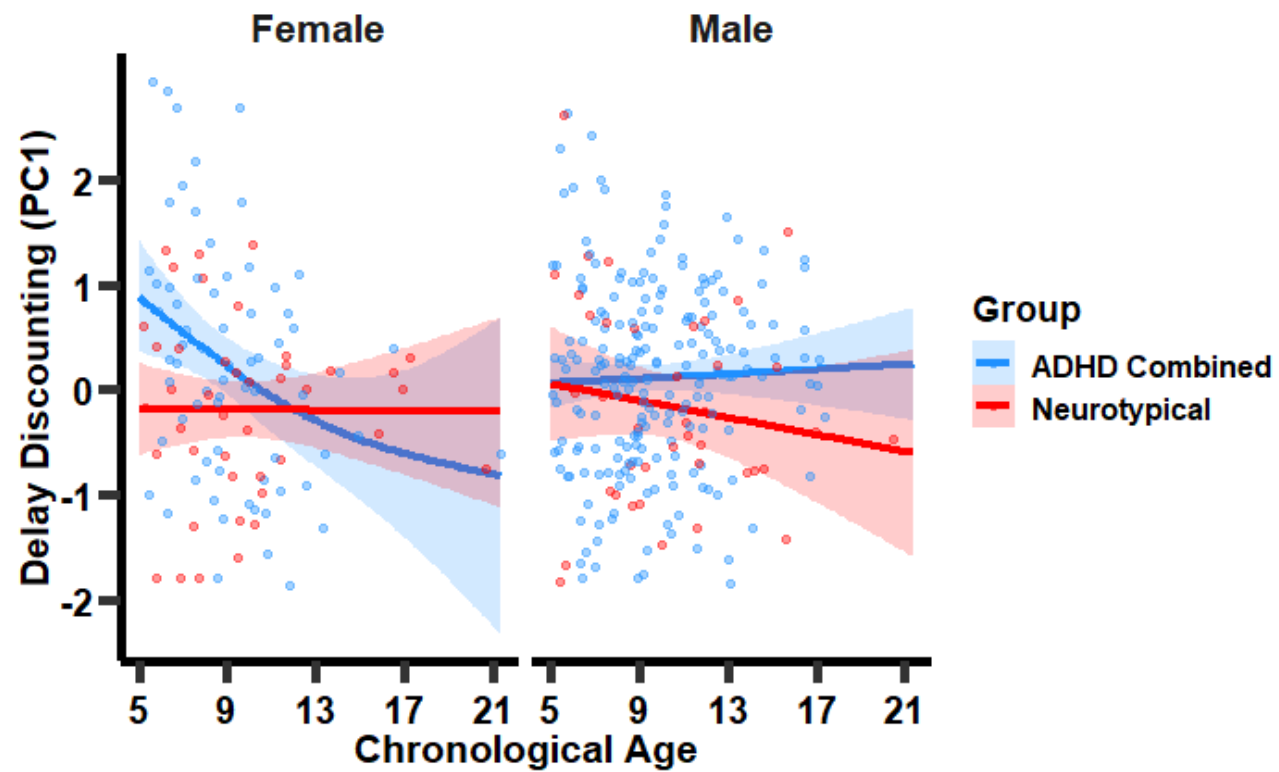


Learning Disorders

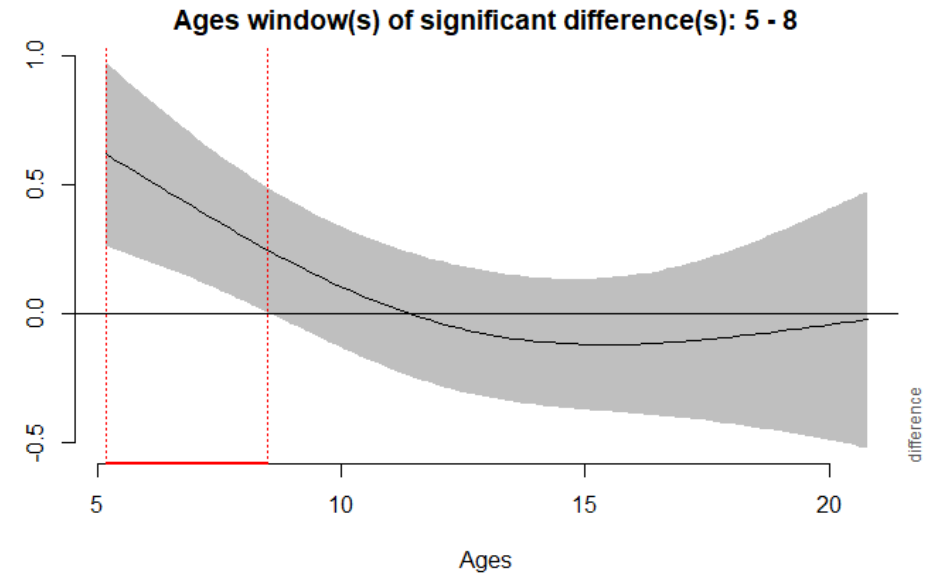
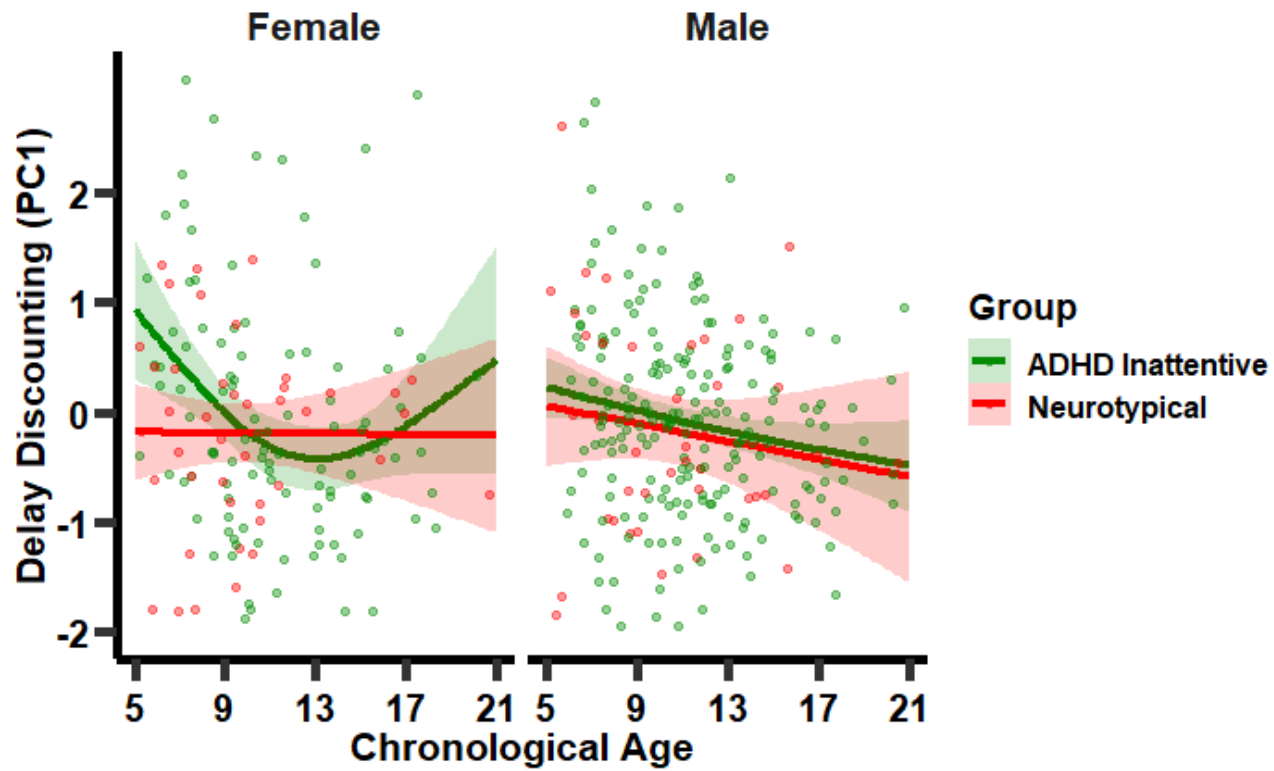


Diagnosis Sex Differences vs Neurotypicals

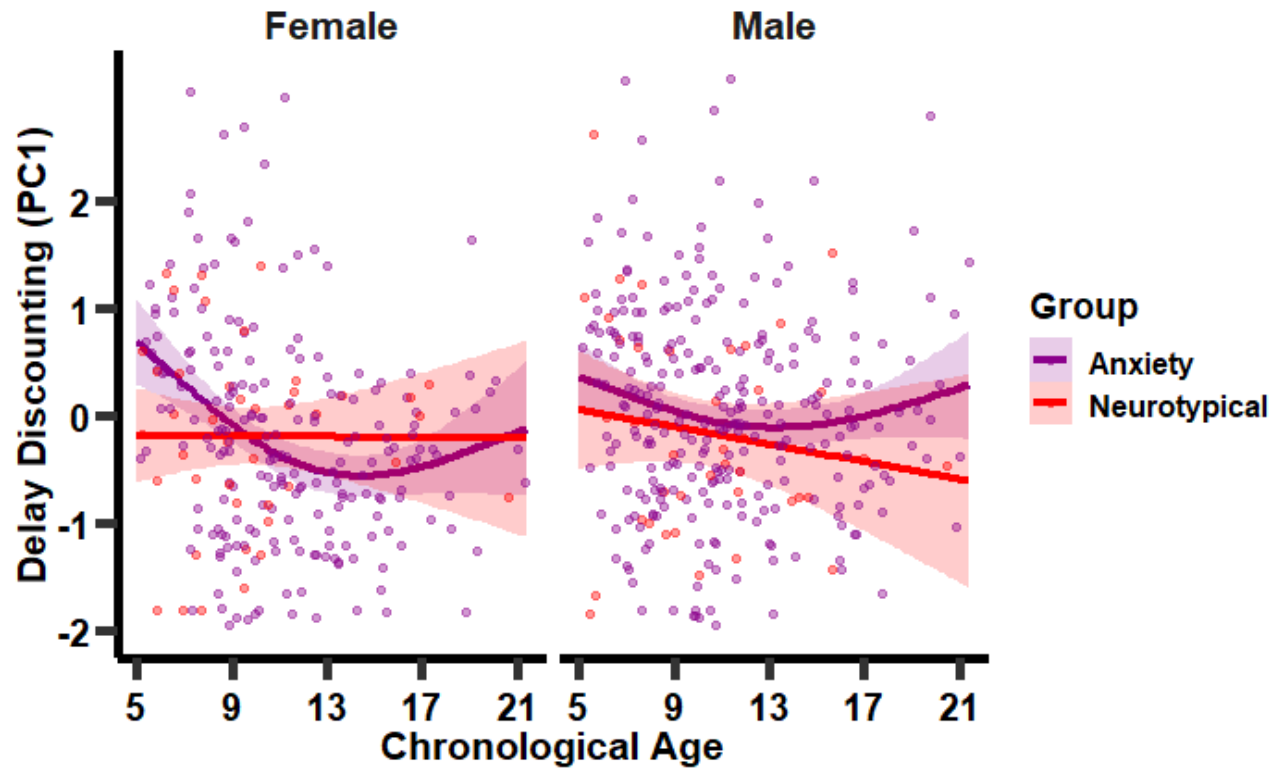
ADHD Combined - Females



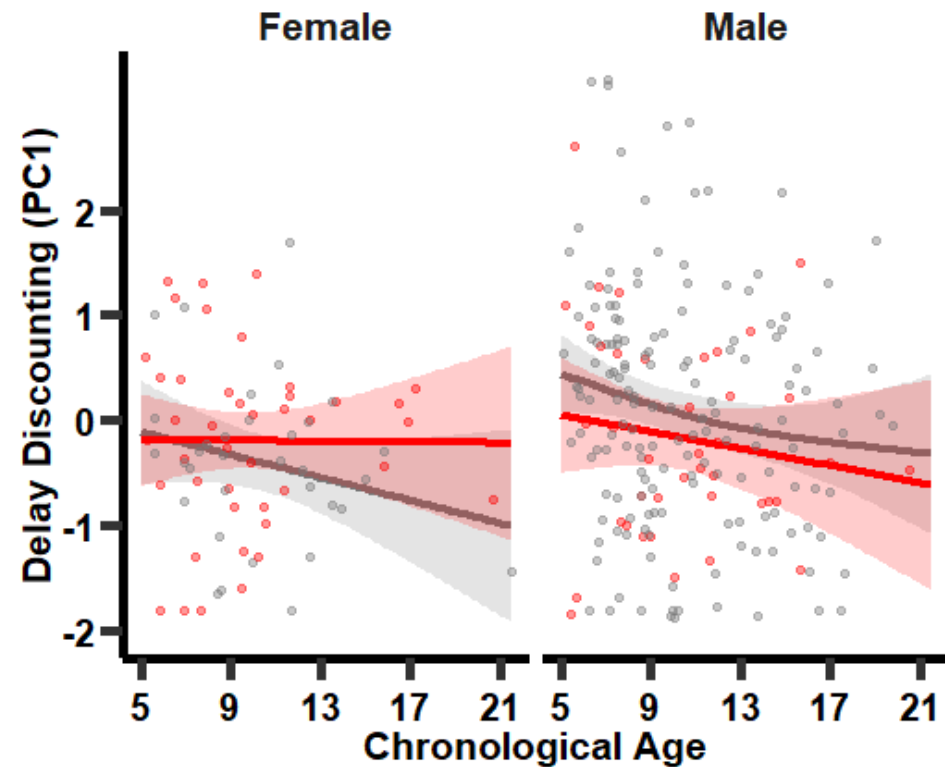
ADHD Inattentive - Female



Anxiety - Females

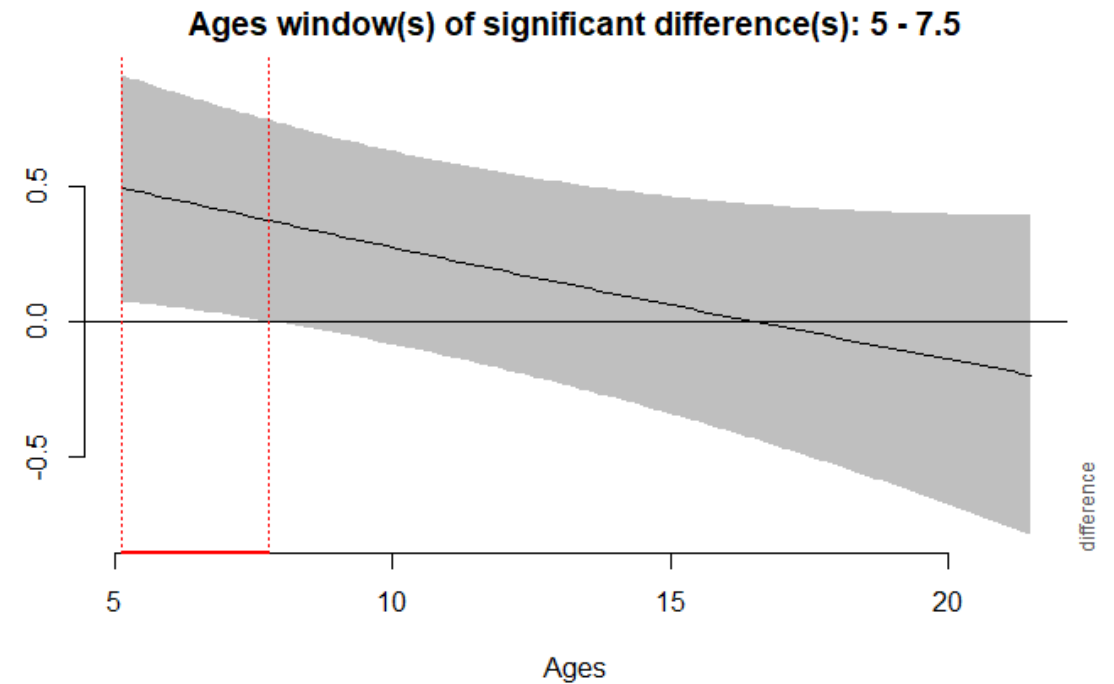


Autism With ADHD - Males

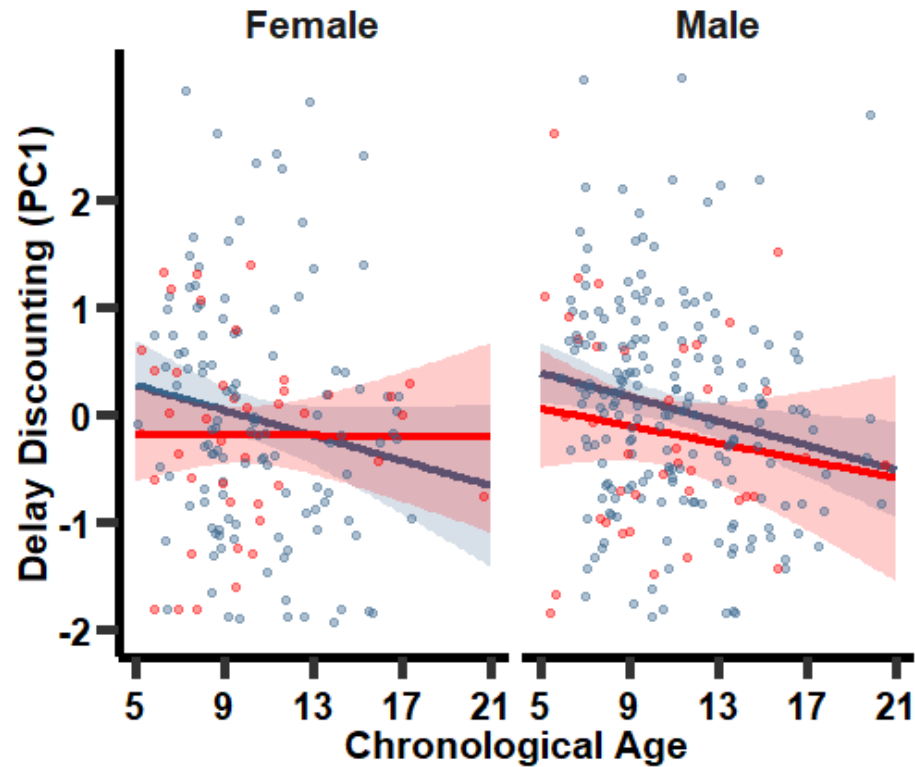


Group

- ASD with ADHD
- Neurotypical

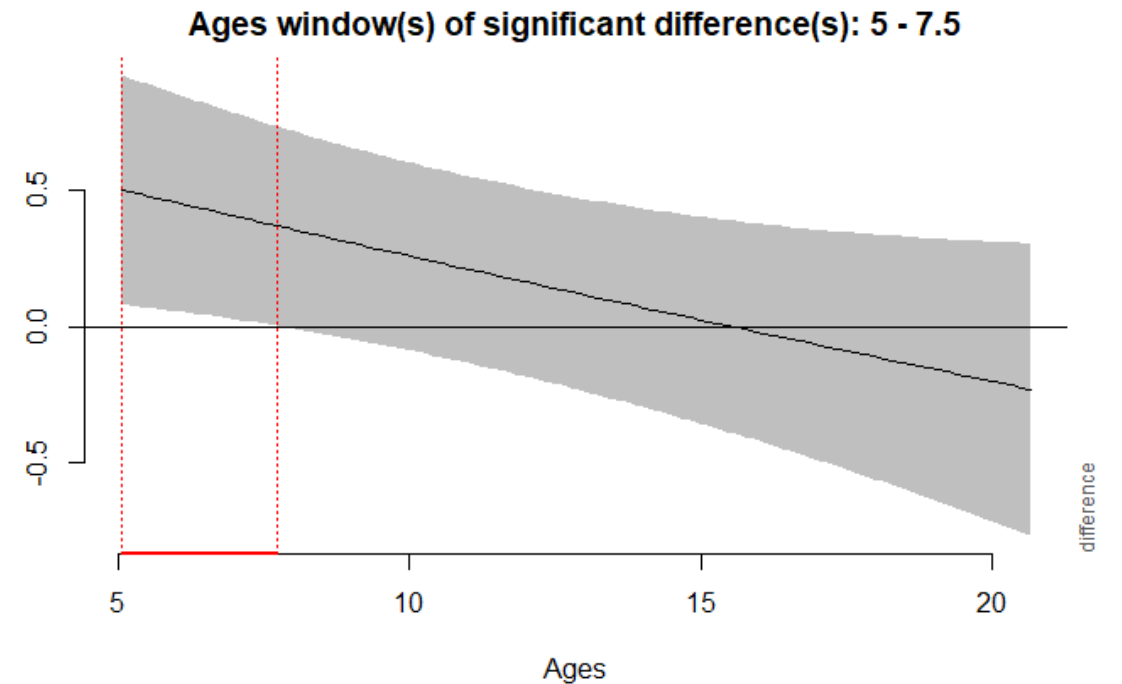


Learning Disorder – Male



Group

- Learning Disorder
- Neurotypical

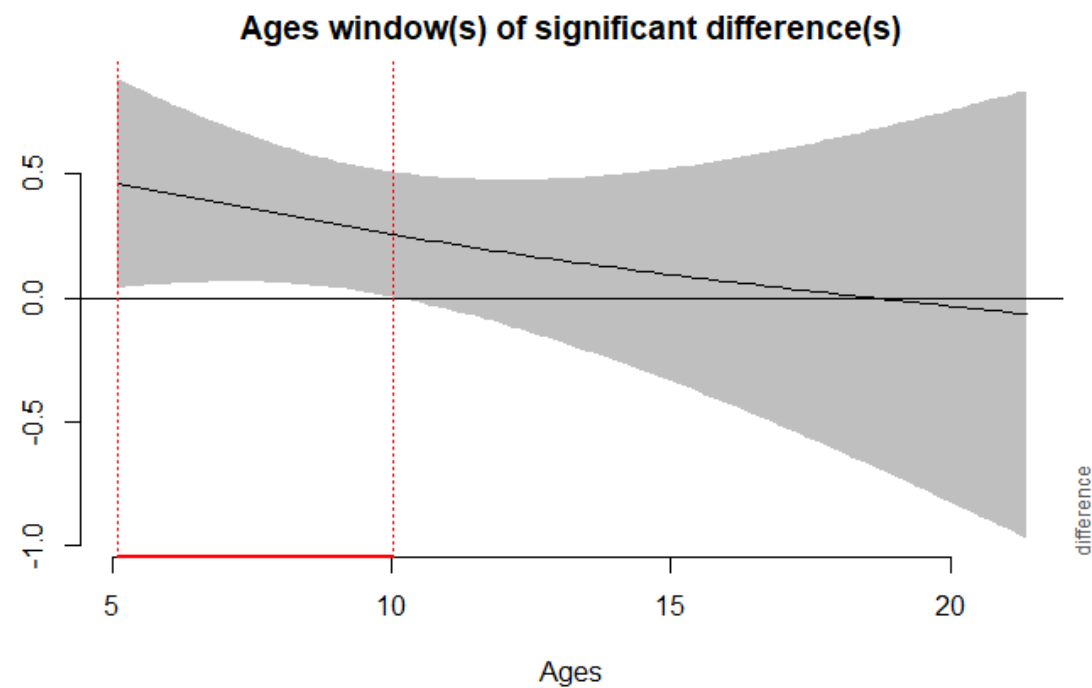
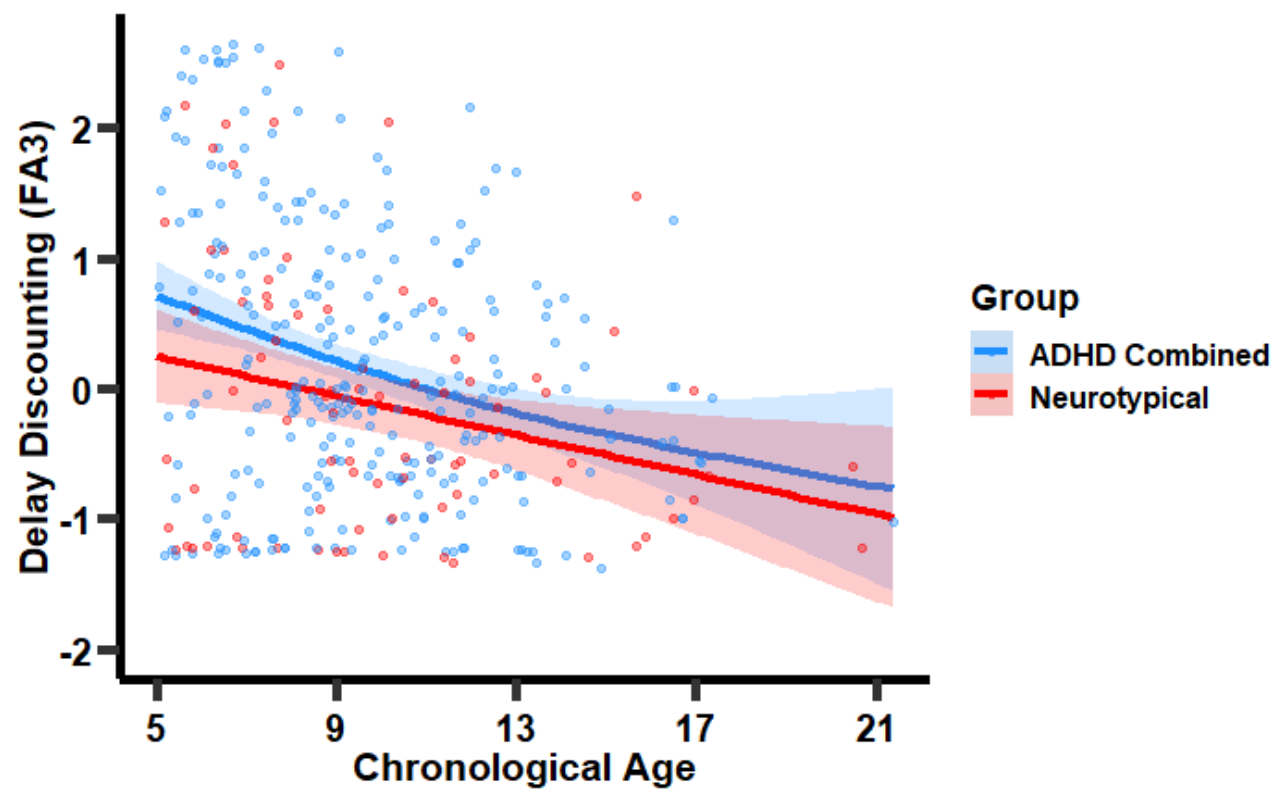


Factor Analysis Gams and ANOVA

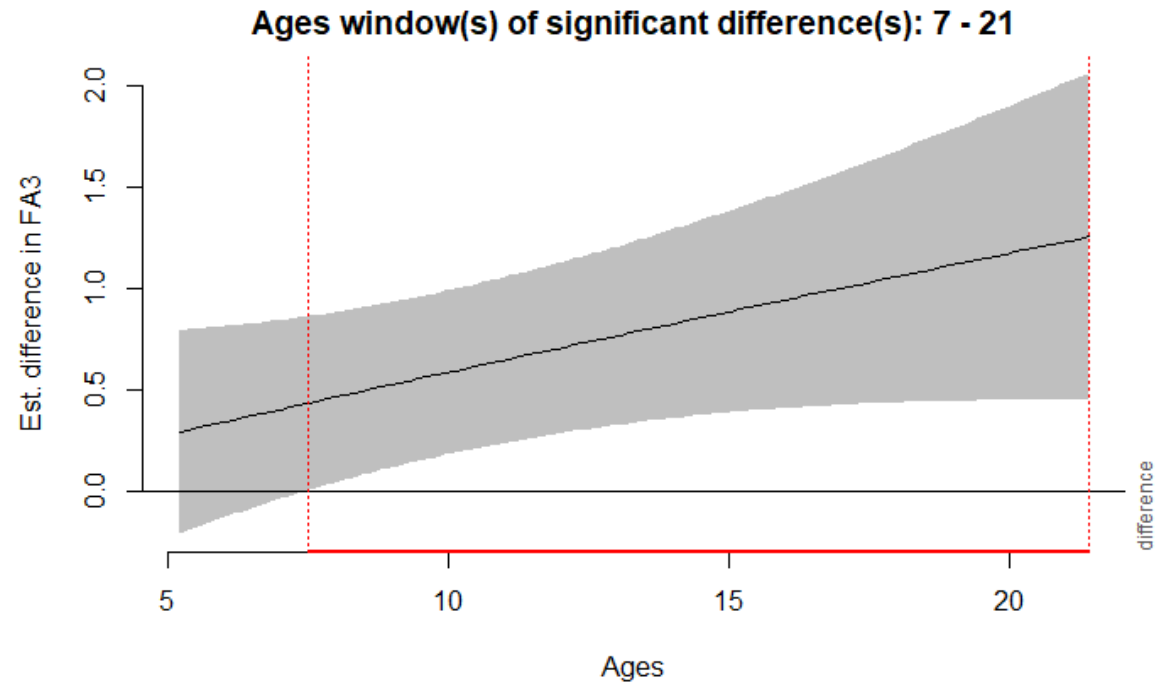
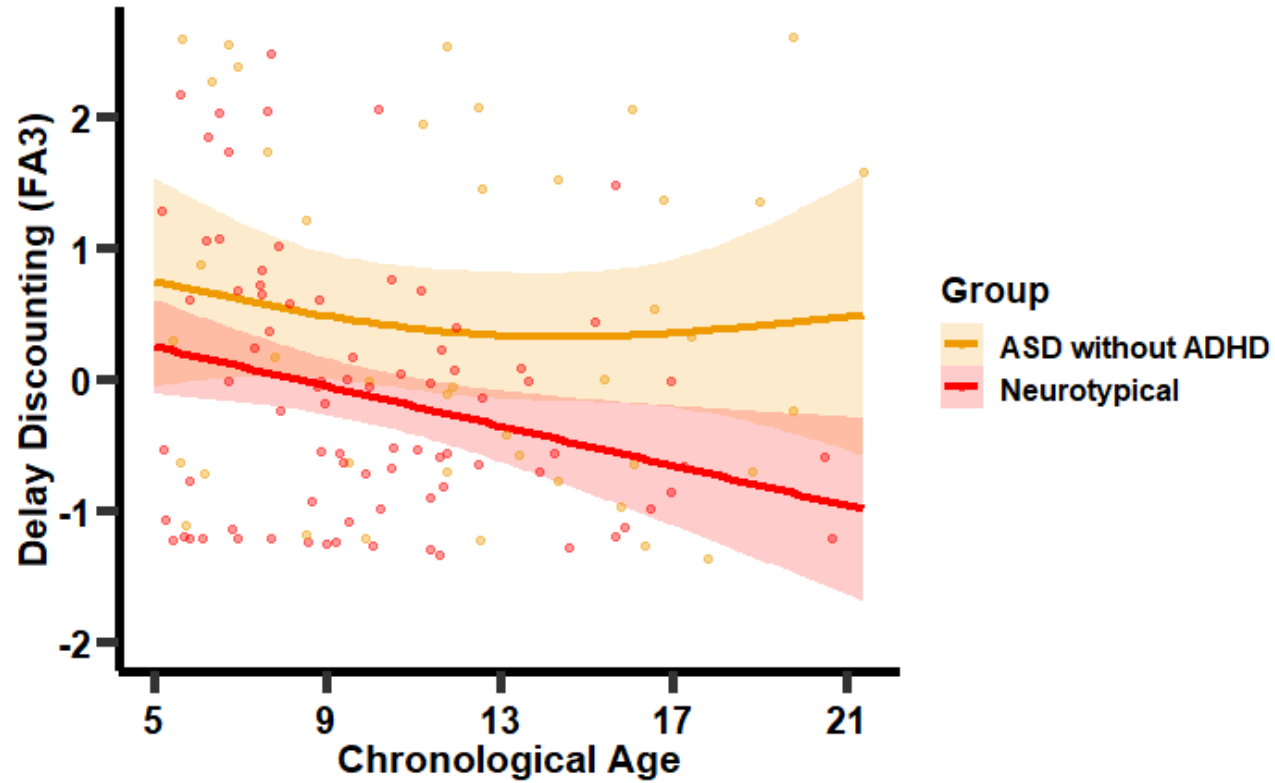
Best Model Fit Factors

- Null, Linear, and Gam models were tested to determine best fit with Factor 1-3.
- ANOVA and F test revealed GAM model to be the best model fit for factor 3 only ($p < .00001$)
- GAMs were used for Factor 3
- ANOVA was used for Factor 1 and 2 and PC 1 and 2.

ADHD Combined



Autism Without ADHD

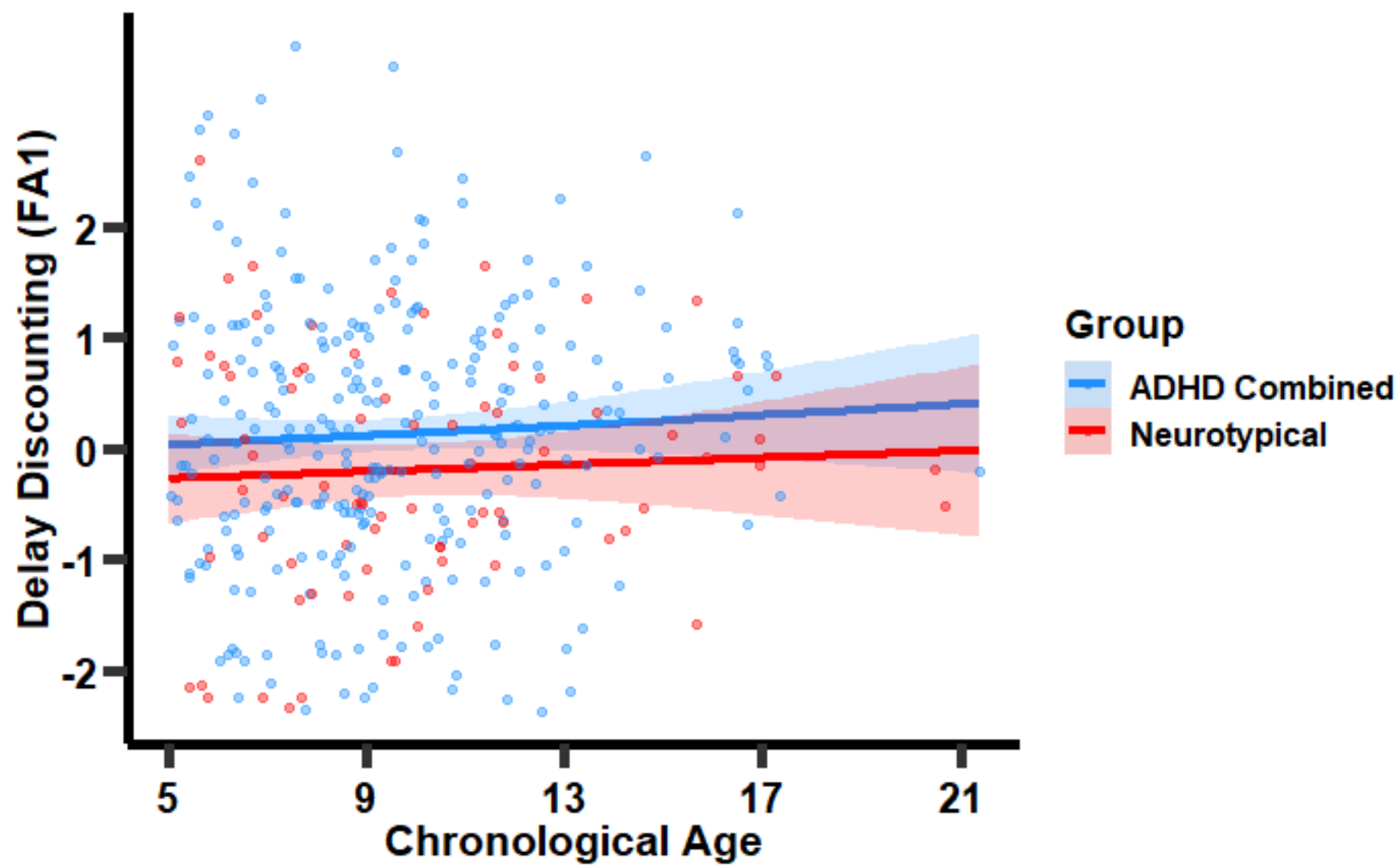


ANOVA Models

Diagnosis and Clusters

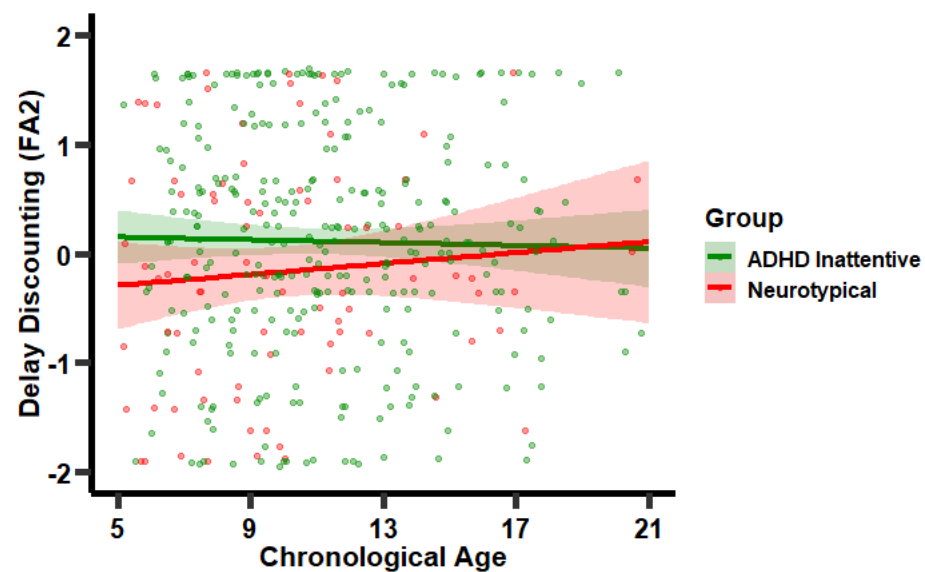
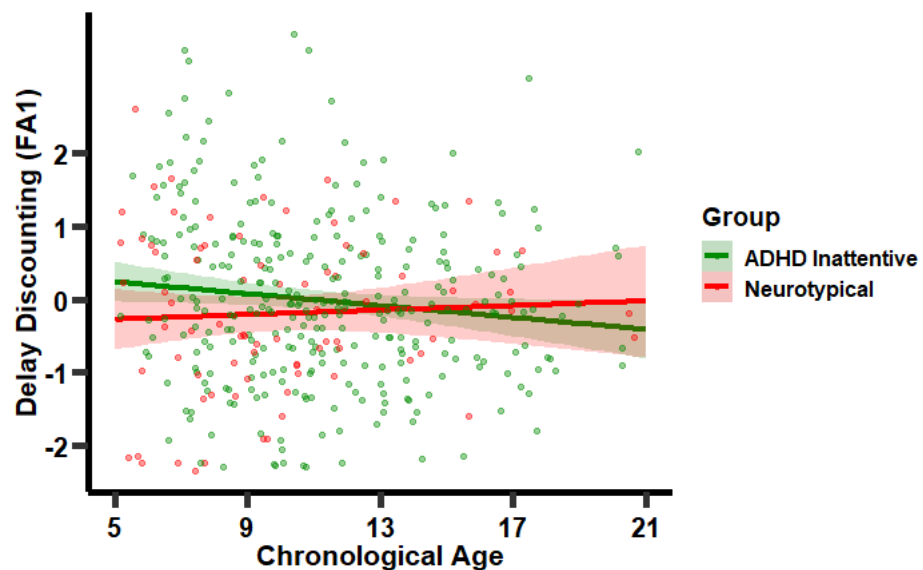
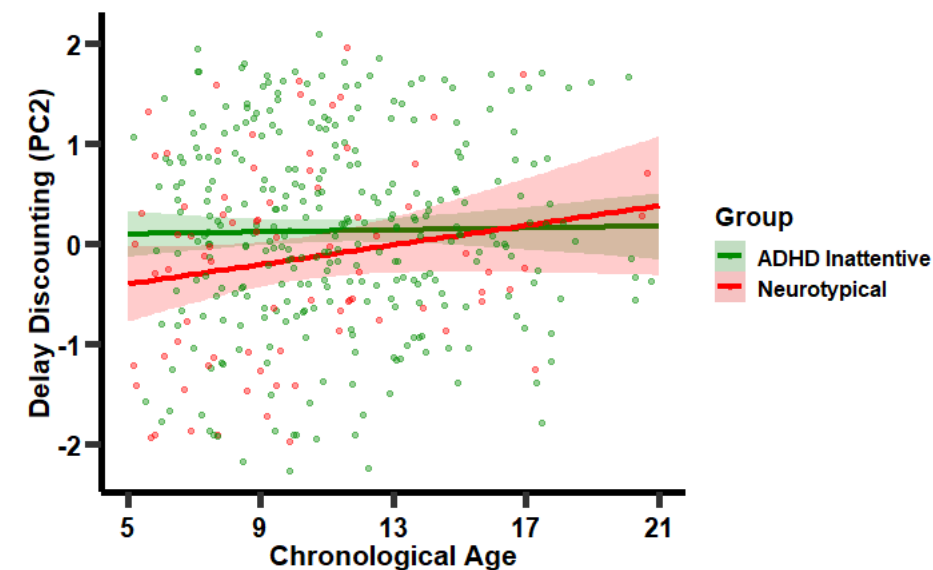
ADHD Combined

	Factor 1	Factor 2	Factor 3	PC1	PC2
Group	p < .05		P < .05	P < .01	
Group Sex					
Group x Sex x Age				P < . 05	



ADHD Inattentive

	Factor 1	Factor 2	Factor 3	PC1	PC2
Group	$p < .05$	$P < .05$			$p < .05$
Group Sex					
Group x Sex x Age					



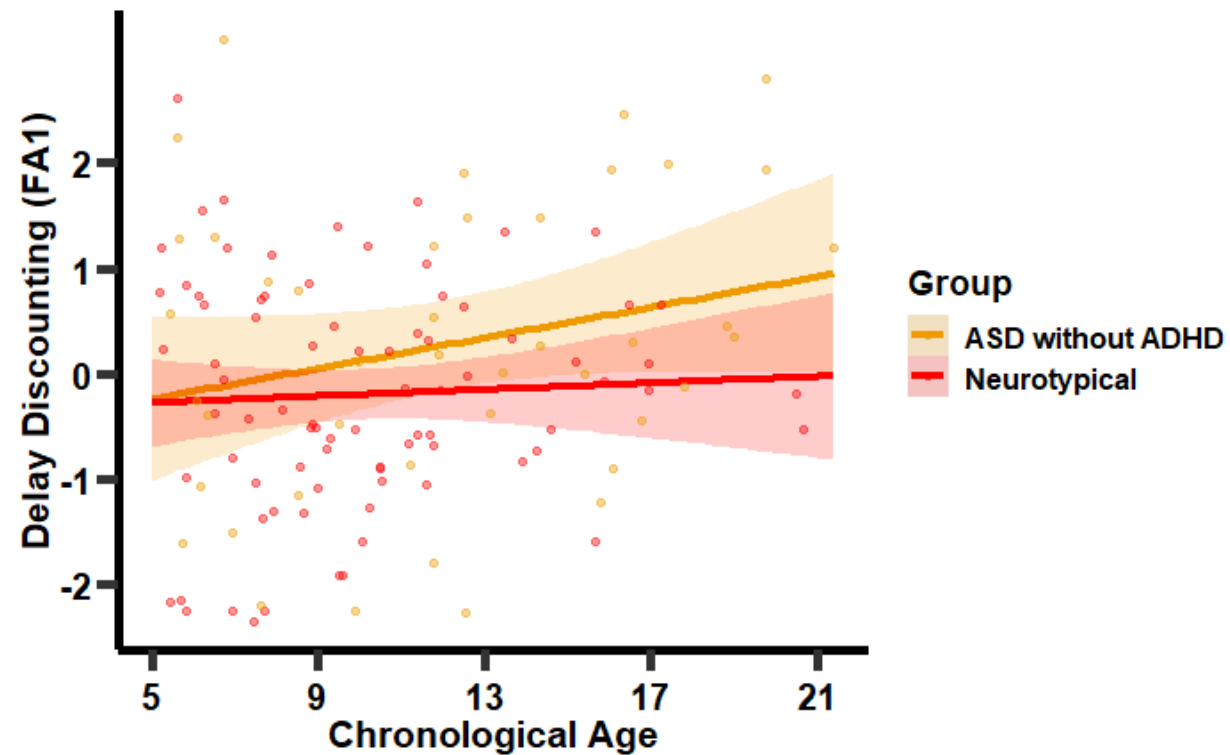
Anxiety

No significant differences

	Factor 1	Factor 2	Factor 3	PC1	PC2
Group					
Group Sex					
Group x Sex x Age					

Autism without ADHD

	Factor 1	Factor 2	Factor 3	PC1	PC2
Group	$p < .05$		$P < .005$	$P < .01$	
Group Sex					
Group x Sex x Age					



Autism with ADHD

No significant differences

	Factor 1	Factor 2	Factor 3	PC1	PC2
Group					
Group Sex					
Group x Sex x Age					

Depression

	Factor 1	Factor 2	Factor 3	PC1	PC2
Group		P < .05			P < .01
Group Sex					
Group x Sex x Age					

Learning Disorders

No significant differences

	Factor 1	Factor 2	Factor 3	PC1	PC2
Group					
Group Sex					
Group x Sex x Age					

CBCL Clusters

	Factor 1	Factor 2	Factor 3	PC1	PC2
Group			p < .01		
Group Sex					
Group x Sex x Age					

Functional Connectivity Clusters

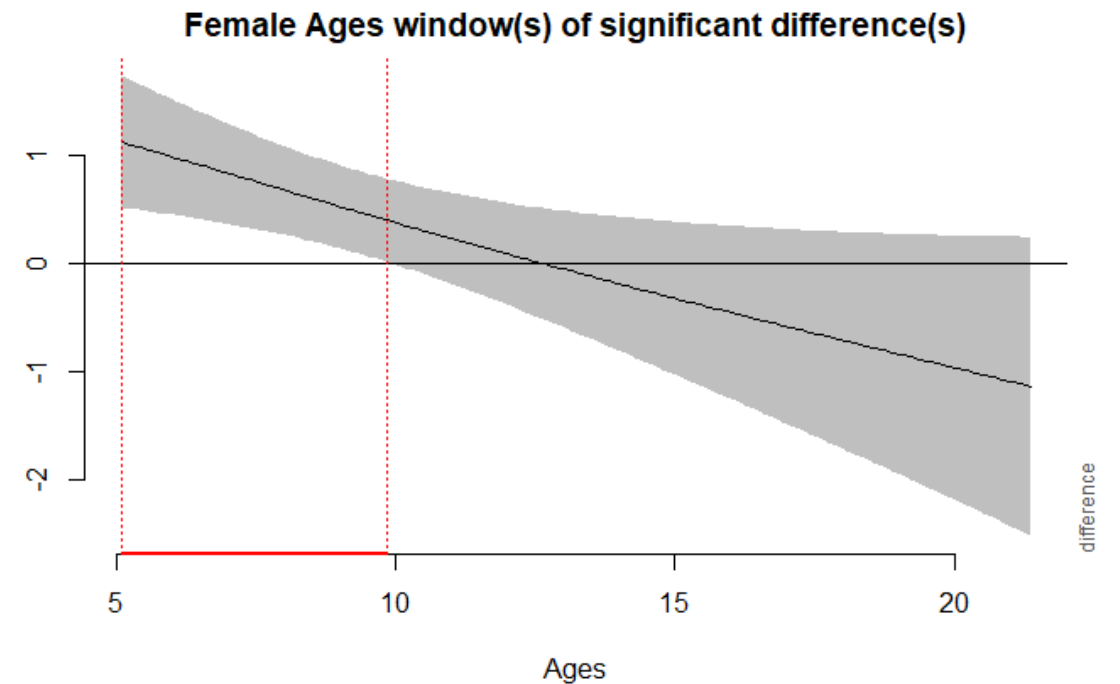
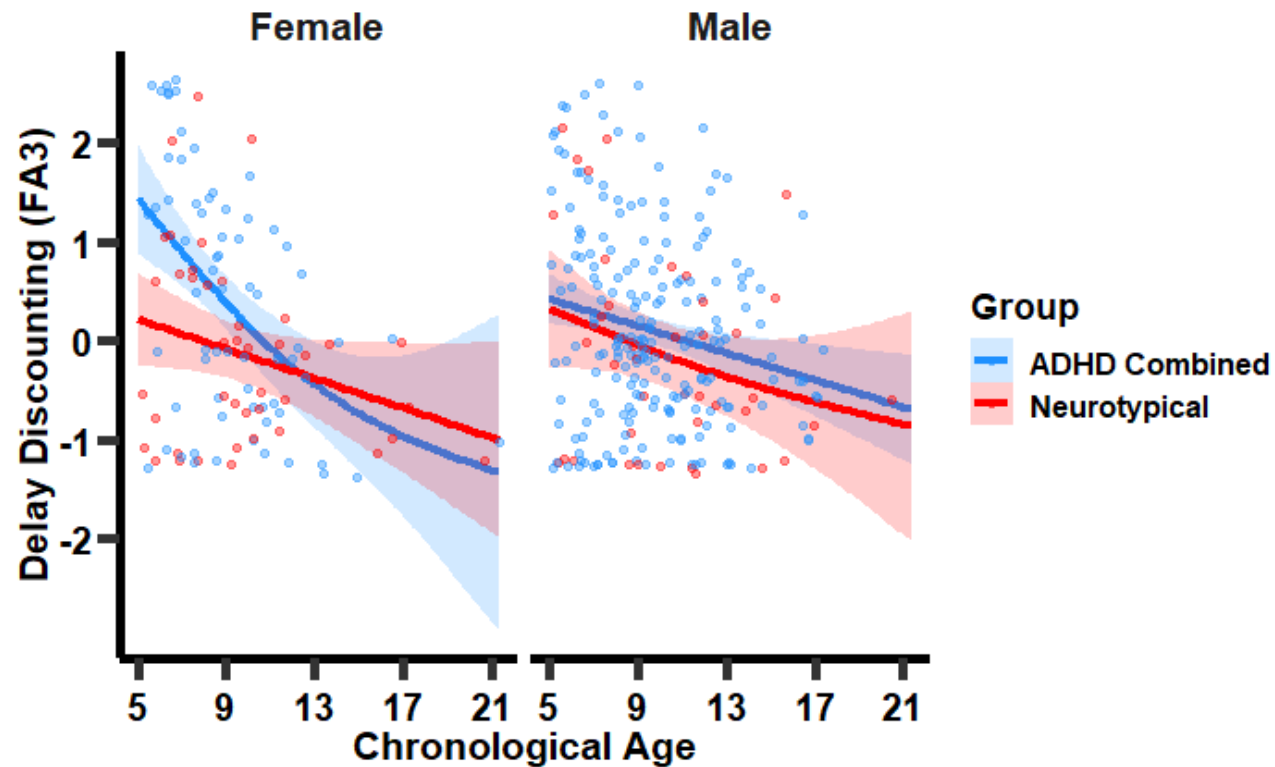
No significant differences

	Factor 1	Factor 2	Factor 3	PC1	PC2
Group					
Group Sex					
Group x Sex x Age					

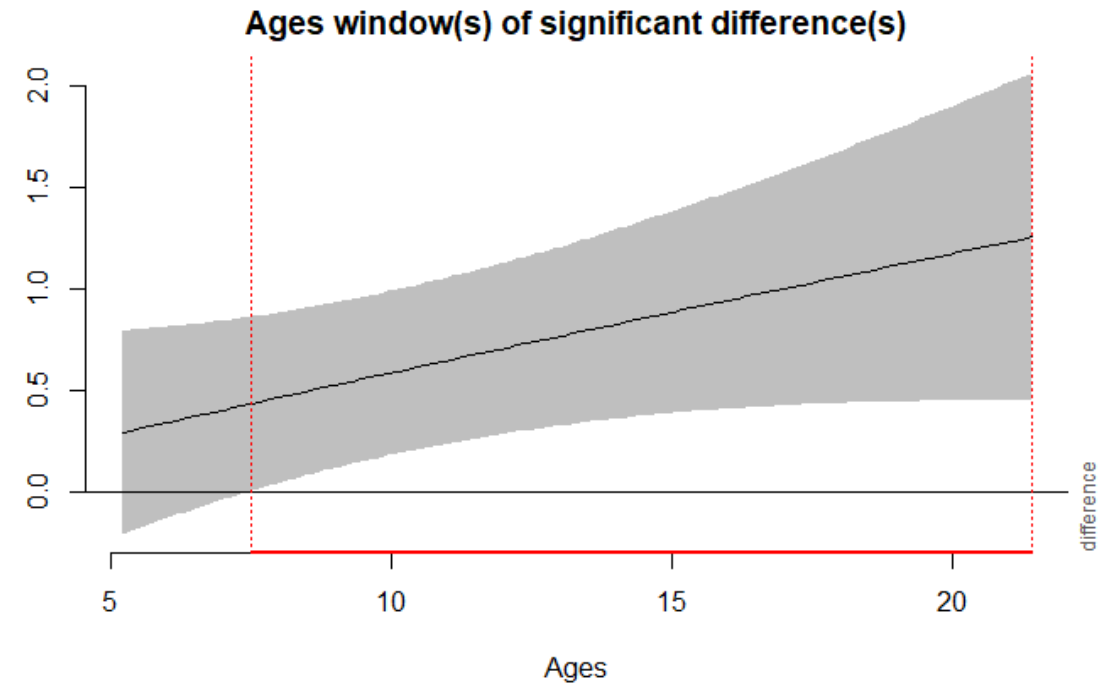
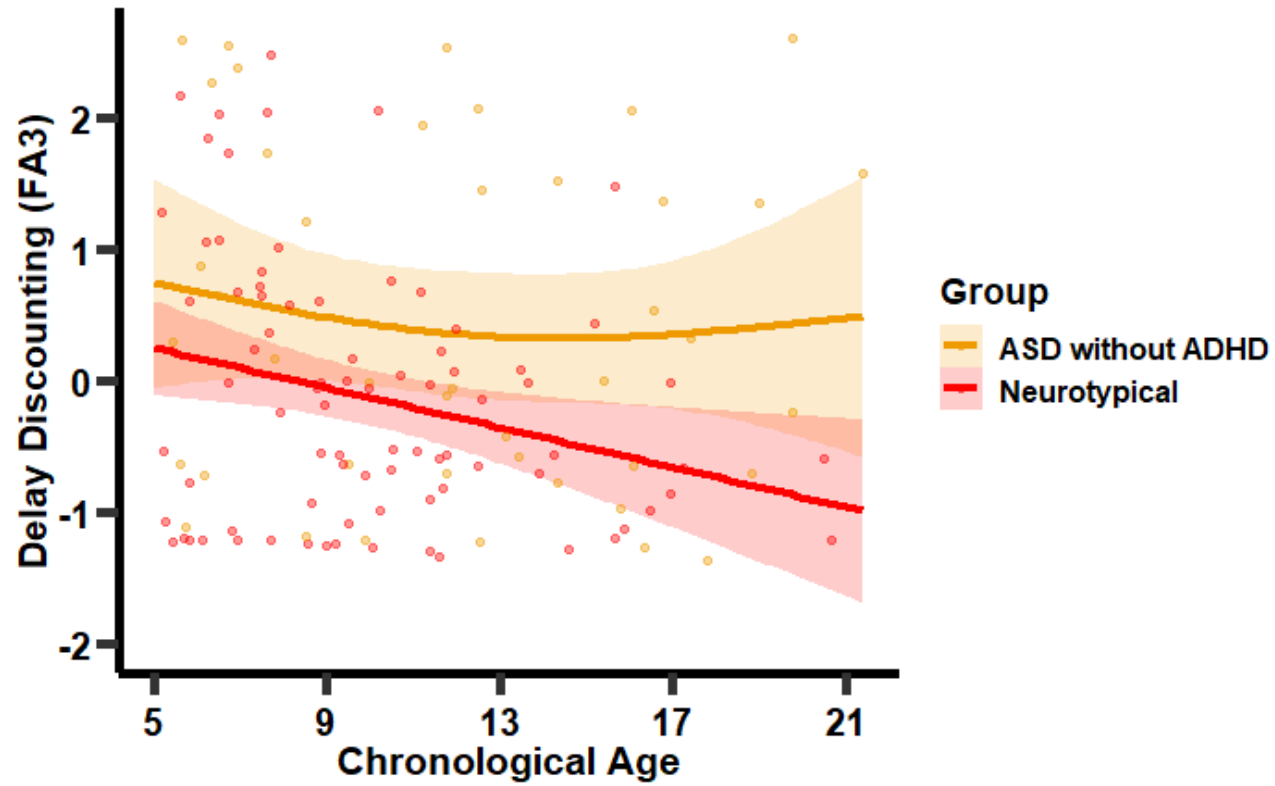
GAMs Factor 3

Diagnosis Sex Differences vs Neurotypicals

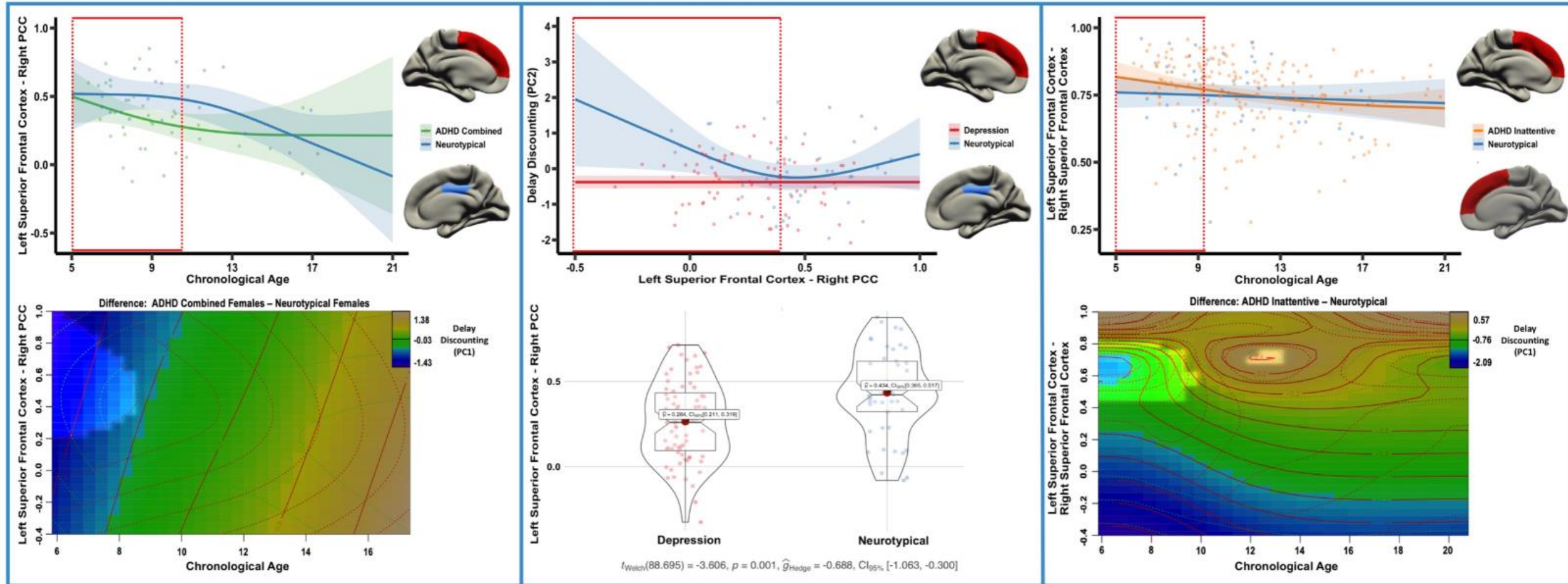
ADHD Combined - Females



ADHD Combined without Autism

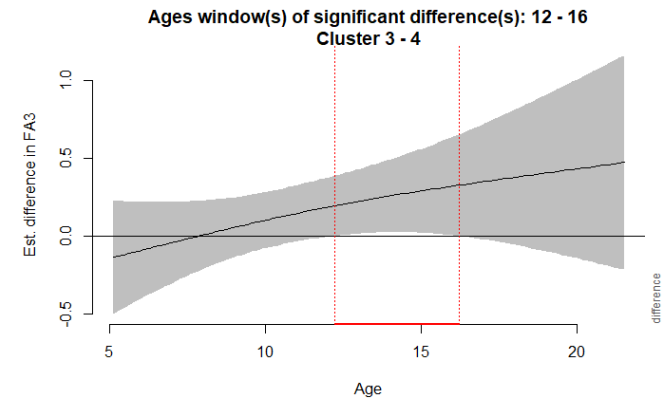
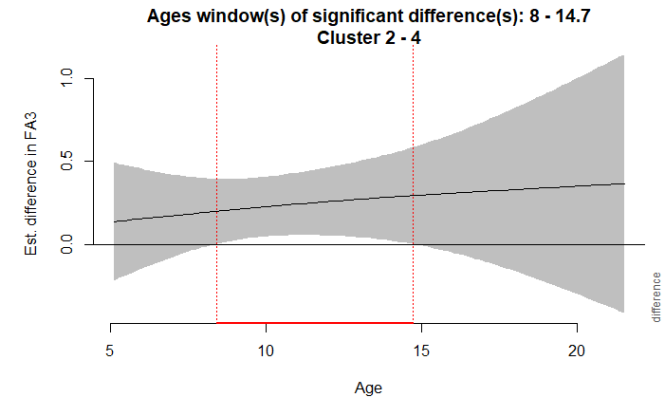
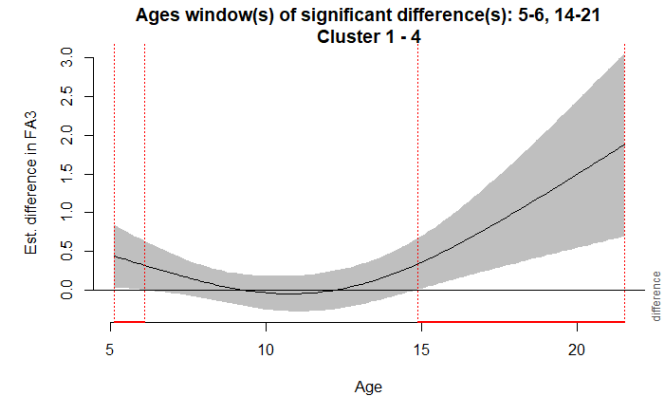
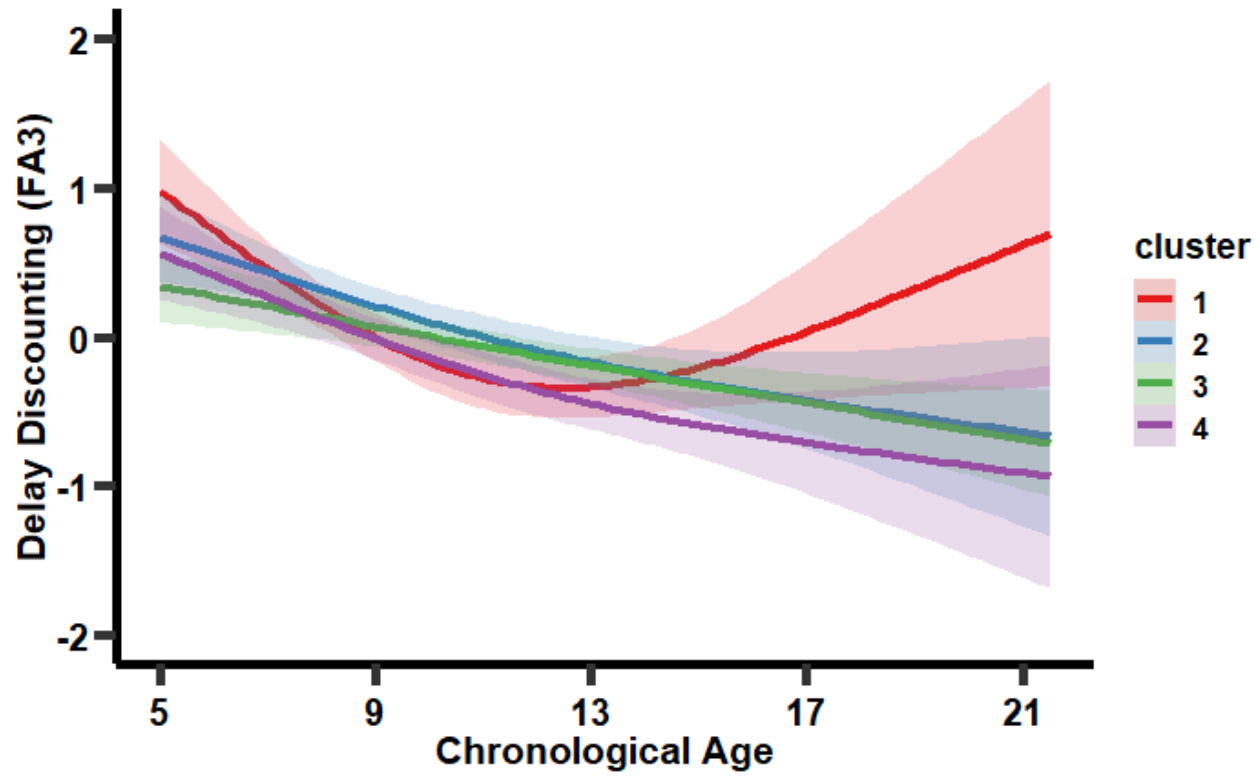


Function Connectivity Sample Results



Subtypes

CBCL



Functional Connectivity

