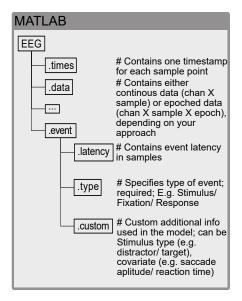


Unfold Version Features					
Feature	Unfold	Unfold.jl			
Overlap correction	х	х			
Non-linear splines	х	х			
Plotting tools	х	UnfoldMakie.jl - beta			
Sanity checks	х				
Tutorials	х	х			
Speed	х	х			
Unittests	х	х			
HRF (fMRI) basis		х			
Mix different basisfunctions		х			
Different timewindows per event		х			
Mixed models		х			
Item & subject effects		х			
Decoding		back2back regression			

Data Structure



Julia							
V	/ariabl	е		For	mat		
D	ata		rray{Uni hannel)		sing, Float64}, 2] le]		
-	ata - pochs						
E	Events I		ntaFram	е			
Example Events Dataframe							
Ro	ow late		type	intercept	condition		
		14	:String15	:Int64	:Int64		
1	1 20	•	:String15 stimulus	:Int64			
1				:Int64	:Int64		
_	2 40		stimulus	1 1	:Int64 1		

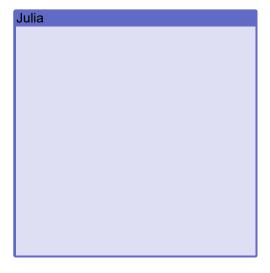
Setting up/ Running Models

MATLAB				
Action	Function			
Formula	Formula = 'y ~ 1 + condition' Type: String			
Defining Desingmat	EEG = uf_designmat(EEG, 'eventtypes', {'stimulus'}, 'formula', Formula)			
Timeexpansion	EEG = uf_timeexpandDesignmat(EEG, 'timelimits', [-0.2 1])			
Fitting Model	EEG = uf_glmfit(EEG)			
Condense results	Ufresult = uf_condense(EEG)			

Julia					
Action	Function				
Formula	F = @formula 0 ~ 1 + condition				
Defining Designmat	Basisfunction = firbasis(τ=(-0.4,.8), sfreq=50, name="stimulus")				
	bfDict = Dict(Any=>(F,basisfunction))				
Fitting Model	M = fit(UnfoldModel, bfDict, events, data)				
Condense Results	Results = coeftable(M)				

Plotting (tba)





Further Links:

Unfold MATLAB Docs: https://www.unfoldtoolbox.org/overview.html Unfold.jl Docs: https://unfoldtoolbox.github.io/Unfold.jl/dev/ Unfold Paper: https://peerj.com/articles/7838/