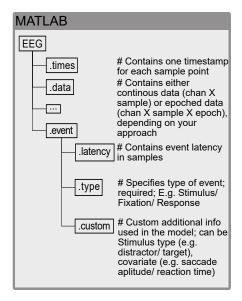


Unfold '	Version	Features	;
Feature	Unfold	unmixed	Unfold.jl
Overlap correction	Х	х	х
Non-linear splines	х	х	х
Plotting tools	х		UnfoldMakie.jl - beta
Sanity checks	х		
Tutorials	х		х
Speed	х		х
Unittests	х		х
HRF (fMRI) basis			х
Mix different basisfunctions			х
Different timewindows per event			х
Mixed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

Data Structure



Julia						
iable	Format					
а	:Array{Union{Missing, Float64}, 2] [Channel X Sample]		2}			
	: Array{Union{Missing, Float64}, 3} [Channel X Sample X Epcch]					
Events Data		Э				
Example Events Dataframe						
latency :Int64	type :String15	intercept :Int64	condition :Int64			
20	stimulus	1	1			
40	stimulus	1	0			
69	stimulus	1	0			
90	stimulus	1	1			
	iable a	a :Array{UnicChannel > a : Array{UnicChannel > a - : Array{UnicChannel > : Array{UnicChannel > a - : Array{UnicChannel > : Array{UnicChannel > a - :	a :Array{Union{Miss [Channel X Samp] a - : Array{Union{Miss [Channel X Samp] a - : Arr	a :Array{Union{Missing, Float64}, [Channel X Sample] a - :Array{Union{Missing, Float64}, [Channel X Sample X Epcch] and the control of the co		

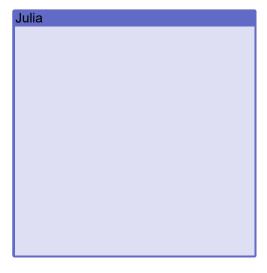
Setting up/ Running Models

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





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/