DataClass

dataFolder
groupTable
IDname
nParticipants
observedData
participantFilenames
participantLevel
totalTrials

+DataClass (dataFolder)
+getParticipantData (participant)
+loadDataFiles (fnames)

ModelBaseClass

data
modelType
monitorparams
sampler
saveFolder
variables

+ModelBaseClass (toolboxPath, sampler, data, saveFolder)
#figParticipant (pSamples, pData, mMEAN, cMEAN, epsilonMEAN, alphaMEAN)
#figParticipantLevelWrapper (variables)
#figUnivariateSummary (participantIDlist, variables)
+conditionalDiscountRates (reward, plotFlag)
+conditionalDiscountRates_ParticipantLevel (reward, plotFlag)
+conductInference ( )
+exportParameterEstimates ( )
+figParticiantTriPlot (n, variables)
+*plot (data)*
+plotMCMCchains ( )
+posteriorPredictive ( )
+setBurnIn (nburnin)
+setInitialParamValues ( )
+setMCMnumberOfChains (nchains)
+setMCMtotalSamples (totalSamples)
+setMonitoredValues ( )
+setObservedValues ( )

PosteriorPredictionPlot

fh
h
nSamples
params
x
Y

+PosteriorPredictionPlot (fh, x, params)
+evaluateFunction (ExamplesToPlot)
+plotCI (ci)
+plotData (xdata, ydata)
+plotExamples (nExamples)
+plotPointEstimate (params)
+plotProbMass (yi)

SamplerClass

fileName
initial_param
mcmcparams
modelHandle
monitorparams
observed
sampler

+SamplerClass (toolboxPath)
+*conductInference ( )*
+*convergenceSummary (data)*
+*getSamplesAtIndex (index)*
+*invokeSampler ( )*
+*setBurnIn (nburnin)*
+*setMCMnumberOfChains (nchains)*
+*setMCMCparams ( )*
+*setMCMCtotalSamples (totalSamples)*

Variable

analyses
analysisFlag
bounds
monitoredFlag
plotMCMCchainFlag
seed
str
str_latex

+Variable (str, str_latex, bounds, monitoredFlag)

ModelHierarchical

+ModelHierarchical (toolboxPath, sampler, data, saveFolder)
#figGroupLevel (variables)
#figGroupTriPlot ( )
#figUnivariateSummary (participantIDlist, variables)
+conditionalDiscountRates (reward, plotFlag)
+conditionalDiscountRates_GroupLevel (reward, plotFlag)
+HTgroupSlopeLessThanZero ( )
+plot ( )
+plotPsychometricParams ( )

ModelSeperate

+ModelSeperate (toolboxPath, sampler, data, saveFolder)
+plot ( )
+plotPsychometricParams (samples)

JAGSSampler

samples
stats

+JAGSSampler (fileName)
+conductInference ( )
+convergenceSummary ( )
+flattenChains (fieldsToGet)
+getAllSamples ( )
+getSamples (fieldsToGet)
+getSamplesAsMatrix (fieldsToGet)
+getSamplesAtIndex (index, fieldsToGet)
+getSamplesFromParticipantAsMatrix (participant, fieldsToGet)
+invokeSampler ( )
+setBurnIn (nburnin)
+setMCMnumberOfChains (nchains)
+setMCMCparams ( )
+setMCMCtotalSamples (totalSamples)
+startParallelPool ( )

STANSampler

samples
stats

+STANSampler (fileName)
+conductInference ( )
+convergenceSummary ( )
+flattenChains (fieldsToGet)
+getSamples (fieldsToGet)
+getSamplesAtIndex (index, fieldsToGet)
+invokeSampler ( )
+setBurnIn (nburnin)
+setMCMnumberOfChains (nchains)
+setMCMCparams ( )
+setMCMCtotalSamples (totalSamples)

ModelHierarchicalUpdated

+ModelHierarchicalUpdated (toolboxPath, sampler, data, saveFolder)