DataClass

covariateProbeVals
covariateSupplied
dataFolder
groupTable
IDname
nParticipants
observedData
participantFilenames
participantLevel
saveName
totalTrials

+DataClass (saveName, dataFolder)
+addData (thisTrialData)
+getParticipantData (participant)
+loadDataFiles (fnames)
+quickAnalysis ( )
+quickAndDirtyEstimateOfLogK (data)
+setCovariateProbeValues (CovariateProbeValues)
+setCovariateValues (covariateValues)

ModelSimple

analyses
initial_param
JAGSmodel
mcmcparams
modelType
monitorparams
observed
range
sampler
samples
stats

+ModelSimple (toolboxPath)
#doAnalysis ( )
#figParticipant (samples, data)
#invokeJAGS ( )
#samplePlots ( )
#setInitialParamValues (data)
#setMCMCparams ( )
#setObservedMonitoredValues (data)
#stackedForestPlot (uni)
+calcSampleRange ( )
+conductInference (data)
+convergenceSummary (data)
+plot (data)
+setBurnIn (nburnin)
+setMCMCnumberOfChains (nchains)
+setMCMCtotalSamples (totalSamples)
+setSampler (sampler)

PosteriorPredictionPlot

fh
h
nSamples
params
x
Y

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

ModelSeperate

+ModelSeperate (toolboxPath)
#doAnalysis ( )
#figParticipantLevelWRAPPER (data)
#getParticipantSamples (participant)
#setInitialParamValues (data)
#setObservedMonitoredValues (data)
+exportParameterEstimates (data)
+MCMCdiagnostics (data)
+myHDIboxplotWrapper (data)
+plot (data)

ModelHierarchical

+ModelHierarchical (toolboxPath)
#doAnalysis ( )
#figGroupLevel (data)
#setInitialParamValues (data)
#setObservedMonitoredValues (data)
+calculateLogK_ConditionOnReward (reward, params, plotFlag)
+conditionalDiscountRates (reward, plotFlag)
+exportParameterEstimates (data)
+figPriorPost ( )
+HTgroupSlopeLessThanZero (data)
+MCMCdiagnostics (data)
+plot (data)

ModelLinear

+ModelLinear (toolboxPath)
#doAnalysis ( )
#figGroupLevel (data)
#setInitialParamValues (data)
#setObservedMonitoredValues (data)
+figGroupedForestPlot (uni)
+MCMCdiagnostics (data)
+plot (data)
+plotCovariates (data)

ModelHierarchicalNOMAG

+ModelHierarchicalNOMAG (toolboxPath)
#doAnalysis ( )
#figGroupLevel (data)
#figParticipant (samples, data)
#setInitialParamValues (data)
#setObservedMonitoredValues (data)
#stackedForestPlot (uni)
+MCMCdiagnostics (data)
+plot (data)