DataClass

covariateProbeVals covariateSupplied dataFolder groupTable IDname nParticipants observedData participantFilenames participantLevel saveName totalTrials

+DataClass (saveName, dataFolder)

+getParticipantData (participant) +loadDataFiles (fnames)

+quickAnalysis ()

+quickAndDirtyEstimateOfLogK (data) +setCovariateProbeValues (CovariateProbeValues)

+setCovariateValues (covariateValues)

ModelSeperate

analyses initial_param JAGS model memeparams modelType monitorparams observed range

sampler samples

stats

+ModelSeperate (toolboxPath)

#doAnalysis ()

#figParticipant (samples, data)

#figParticipantLevelWRAPPER (data)

#getParticipantSamples (participant)

#invokeJAGS ()

#setInitialParamValues (data)

#setMCMCparams ()

#setObservedMonitoredValues (data)

+calcSampleRange()

+conductInference (data)

+convergenceSummary (data)

+exportParameterEstimates (data)

+figUnivariateSummary (uni, participantIDlist)

+MCMCdiagnostics (data)

+plot (data)

+setBurnIn (nburnin)

+setMCMCnumberOfChains (nchains)

+setMCMCtotalSamples (totalSamples)

+setSampler (sampler)

PosteriorPredictionPlot

nSamples

params

+PosteriorPredictionPlot (fh, x, params)

+evaluateFunction (ExamplesToPlot)

+plotCI (ci)

+plotData (xdata, ydata)

+plotExamples (nExamples)

+plotPointEstimate (params)

+plotProbMass (yi)

ModelHierarchical

+ModelHierarchical (toolboxPath)

#doAnalysis ()

|#figGroupLevel (data)

#setInitialParamValues (data) |#setObservedMonitoredValues (data)

+calcSampleRange()

+calculateLogK_ConditionOnReward (reward, params, plotFlag)

+conditionalDiscountRates (reward, plotFlag)

+figGroupLevelPriorPost ()

+figUnivariateSummary (uni, participantIDlist)

+HTgroupSlopeLessThanZero (data)

+MCMCdiagnostics (data)

ModelLinear

+ModelLinear (toolboxPath)

|#doAnalysis()

#figGroupLevel (data)
#setInitialParamValues (data)

#setObservedMonitoredValues (data)

+figGroupedForestPlot (uni)

+MCMCdiagnostics (data)

+plot (data)

+plotCovariates (data)

+exportParameterEstimates (data)

+plot (data)

ModelHierarchicalNOMAG

+ModelHierarchicalNOMAG (toolboxPath)

#doAnalysis ()

#figGroupLevel (data)

#figParticipant (samples, data)

#setInitialParamValues (data)

#setObservedMonitoredValues (data) #stackedForestPlot (uni)

+MCMCdiagnostics (data)

+plot (data)