DataClass

covariateProbeVals covariateSupplied dataFolder groupTable **IDname nParticipants** observedData participantFilenames participantLevel saveName

- +DataClass (saveName, dataFolder)
- +getParticipantData (participant)
- +loadDataFiles (fnames)
- +quickAnalysis ()

totalTrials

- +quickAndDirtyEstimateOfLogK (data)
- +setCovariateProbeValues (CovariateProbeValues)
- +setCovariateValues (covariateValues)

ModelBaseClass

analyses initial_param JAGSmodel mcmcparams modelType monitorparams observed range sampler

- +ModelBaseClass (toolboxPath)
- |#doAnalysis ()

samples

stats

- #figParticipant (samples, data)
- #figParticipantLevelWRAPPER (data)
- #getParticipantSamples (participant)
- #invokeJAGS()
- #setInitialParamValues (data)
- #setMCMCparams ()
- #setObservedMonitoredValues (data)
- +calcSampleRange()
- +conductInference (data)
- +convergenceSummary (data)
- +exportParameterEstimates (data)
- +plot(data)
- +setBurnIn (nburnin)
- +setMCMCnumberOfChains (nchains)
- +setMCMCtotalSamples (totalSamples)
- +setSampler (sampler)

PosteriorPredictionPlot

fh

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)
- +calculateLogK_ConditionOnReward (reward, params, plotFlag)
- +conditionalDiscountRates (reward, plotFlag)
- +exportParameterEstimates (data)
- +figGroupLevelPriorPost()
- +figUnivariateSummary (uni, participantIDlist)
- +HTgroupSlopeLessThanZero (data)
- +MCMCdiagnostics (data)
- +plot (data)

+ModelSeperate (toolboxPath)

- #doAnalysis ()
- #setInitialParamValues (data)
- #setObservedMonitoredValues (data)
- +figUnivariateSummary (uni, participantIDlist)

ModelSeperate

- +MCMCdiagnostics (data)
- +plot (data)

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ModelHierarchicalNOMAG

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

ModelLinear

+ModelLinear (toolboxPath)

- |#doAnalysis ()
- #figGroupLevel (data)
- #setInitialParamValues (data)
- #setObservedMonitoredValues (data)
- +figGroupedForestPlot (uni)
- +MCMCdiagnostics (data)
- +plot (data)
- +plotCovariates (data)