

Class: estimateLocalModels
Properties:
estimationProcedure
Methods:
estimateLocalModels
estimateParametersGlobal
estimateParametersLocal
orthogonalLeastSquares
stepwiseWeighted
stepwiseWeighted2011a

Class: lossFunction
Properties:
lossFunctionGlobal
lossFunctionLocal
noiseVariance
complexityPenalty
estNoiseVariance
Methods:
calcGlobalLossFunction
calcLocalCVLossFunction
calcLocalLossFunction
calcNEff
calcPenaltyLossFunction
defaultLMNSet
lossFunction

Class: regressor
Properties:
xRegressorDegree
xRegressorMaxPower
xRegressorExponentMatrix
xRegressorType
xInputDelay
xOutputDelay
zInputDelay
zOutputDelay
Methods:
buildExponentMatrix
data2xRegressor
data2zRegressor
delay2DataMatrix
regressor

Class: sigmoidLocalModel
Properties:
center
parameter
localLossFunctionValue
parent
children
splittingParameter
localSmoothness
Methods:
calculatePsi
sigmoidLocalModel

Class: gaussianOrthoLocalModel
Properties:
center
lowerLeftCorner
localLossFunctionValue
standardDeviation
upperRightCorner
parameter
zLowerBound
zUpperBound
Methods:
calculateMSF
corner2Center
gaussianOrthoLocalModel

Class: modelHistory
Properties:
currentNumberOfParameters
currentNumberOfLMs
globalLossFunction
penaltyLossFunction
localAICVLossFunction
localCVLossFunction
splitLM
splitDimension
splitRatio
leafModelIter
trainingTime
displayMode
iteration
validationDataLossFunction
testDataLossFunction
Methods:
checkTerminationCriteria
modelHistory
writeHistory

Class: dataSetInfo
Properties:
inputDescription
outputDescription
dataSetDescription
samplingTime
Methods:
dataSetInfo

Class: globalModel
Properties:
history
kStepPrediction
leafModels
localModels
numberOfInputs
numberOfOutputs
Methods:
globalModel
plotCorrelation
plotLossFunction
plotModel
plotPartition

Class: gaussianOrthoGlobalModel
Properties:
smoothness
Methods:
calculateModelOutput
calculatePhi
calculateVFV
gaussianOrthoGlobalModel
plotMSFValue
plotPartitionColored

Class: dataSet
Properties:
input
output
dataWeighting
outputWeighting
info
validationInput
validationOutput
testInput
testOutput
Methods:
dataSet
denormalizeDataSet
editDataSet
getXinputDelay
getXoutputDelay
getZinputDelay
getZoutputDelay
normalize2inputCodomain
normalize2outputCodomain
normalizeDataSet
saveDataSet

Class: sigmoidGlobalModel
Properties:
smoothness
Methods:
addChildren
calculateModelOutput
calculatePhi
sigmoidGlobalModel

Class: lolimot
Properties:
numberOfLMReliable
suggestedNet
idxAllowedLM
maxNumberOfLM
minError
maxNumberOfParameters
maxTrainTime
maxIterations
splits
maxPenaltyDeterioration
outputModel
xRegressor
zRegressor
MSFValue
Methods:
LMSplit
LMSplitEstimate
estimateFirstLM
estimateGivenModel
estimateModelGlobal
exampleFunctions
findWorstLM
lolimot
train

Class: hilomot
Properties:
maxNumberOfParameters
maxNumberOfLM
minError
maxTrainTime
maxIterations
oblique
numberOfPoints
optGrad
suggestedNet
inputSensitivity
outputModel
xRegressor
zRegressor
phi
numberOfLMParameters
Methods:
LMSplit
LMSplitOpt
LMSplitOptAll
LMSplitPostOpt
estimateFirstLM
exampleFunctions
findWorstLM
hilomot
obliqueAllGlobalLossFunction
obliqueGlobalLossFunction
train

Class: hilomotSubset
Properties:
maxNumberOfParameters
maxNumberOfLM
minError
maxTrainTime
maxIterations
oblique
numberOfPoints
optGrad
suggestedNet
inputSensitivity
outputModel
xRegressor
zRegressor
phi
numberOfLMParameters
applySubsetSelection
fehlerSubsetNachOpt
DELTA
accurateNumberOfLMParameters
increasingNumberOfLMParameters
globalEstimationPenalty
Methods:
LMSplit
LMSplitOpt
estimateFirstLM
estimateLMHigherDegree
exampleFunctions
findWorstLM
hilomot
hilomotSubset
obliqueGlobalLossFunction
selectAfterSplit
train