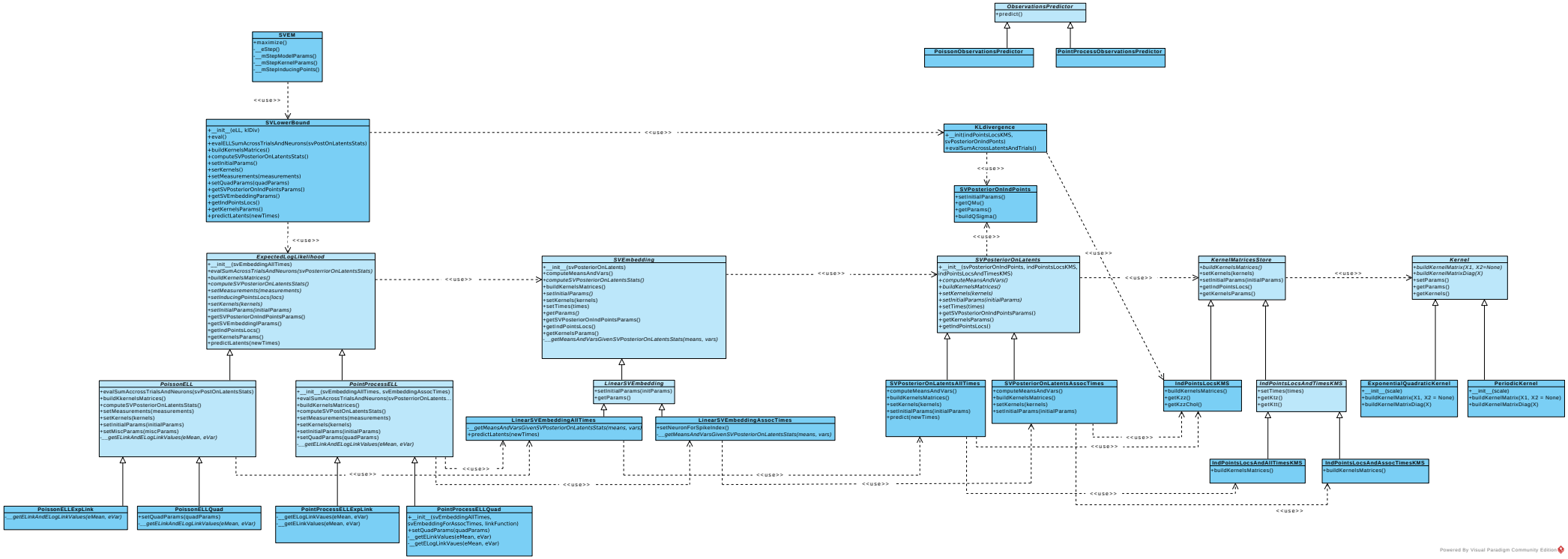
ObservationsPredictor
+predict()
PoissonObservationsPredictor
PointProcessObservationsPredictor
SVEM
+maximize()
__eStep()
__mStepModelParams()
__mStepKernelParams()
__mStepInducingPoints()
<<use>>
SVLowerBound
+__init__(eLL, klDiv)
+eval()
+evalELLSumAcrossTrialsAndNeurons(svPostOnLatentsStats)
+buildKernelsMatrices()
+computeSVPosteriorOnLatentsStats()
+setInitialParams()
+serKernels()
+setMeasurements(measurements)
+setQuadParams(quadParams)
+getSVPosteriorOnIndPointsParams()
+getSVEmbeddingParams()
+getIndPointsLocs()
+getKernelsParams()
+predictLatents(newTimes)
KLdivergence
+__init(indPointsLocsKMS, svPosteriorOnIndPoints)
+evalSumAcrossLatentsAndTrials()
SVPosteriorOnIndPoints
+setInitialParams()
+getQMu()
+getParams()
+buildQSigma()
ExpectedLogLikelihood
+__init__(svEmbeddingAllTimes)
+evalSumAcrossTrialsAndNeurons(svPosterriorOnLatentsStats)
+buildKernelsMatrices()
+computeSVPosteriorOnLatentsStats()
+setMeasurements(measurements)
+setInducingPointsLocs(locs)
+setKernels(kernels)
+setInitialParams(initialParams)
+getSVPosteriorOnIndPointsParams()
+getSVEmbeddingIParams()
+getIndPointsLocs()
+getKernelsParams()
+predictLatents(newTimes)
SVEmbedding
+__init__(svPosteriorOnLatents)
+computeMeansAndVars()
+computeSVPosteriorOnLatentsStats()
+buildKernelsMatrices()
+setInitialParams()
+setKernels(kernels)
+setTimes(times)
+getParams()
+getSVPosteriorOnIndPointsParams()
+getIndPointsLocs()
+getKernelsParams()
__getMeansAndVarsGivenSVPosteriorOnLatentsStats(means, vars)
SVPosteriorOnLatents
+__init__(svPosteriorOnIndPoints, indPointsLocsKMS, indPointsLocsAndTimesKMS)
+computeMeansAndVars()
+buildKernelsMatrices()
+setKernels(kernels)
+setInitialParams(initialParams)
+setTimes(times)
+getSVPosteriorOnIndPointsParams()
+getKernelsParams()
+getIndPointsLocs()
KernelMatricesStore
+buildKernelsMatrices()
+setKernels(kernels)
+setInitialParams(initialParams)
+getIndPointsLocs()
+getKernelsParams()
Kernel
+buildKernelMatrix(X1, X2=None)
+buildKernelMatrixDiag(X)
+setParams()
+getParams()
+getKernels()
PoissonELL
+evalSumAccrossTrialsAndNeurons(svPostOnLatentsStats)
+buildKernelsMatrices()
+computeSVPosteriorOnLatentsStats()
+setMeasurements(measurements)
+setKernels(kernels)
+setInitialParams(initialParams)
+setMiscParams(miscParams)
__getELinkAndELogLinkValues(eMean, eVar)
PointProcessELL
+__init__(svEmbeddingAllTimes, svEmbeddingAssocTimes)
+evalSumAcrossTrialsAndNeurons(svPosterriorOnLatents...
+buildKernelsMatrices()
+computeSVPostOnLatentsStats()
+setMeasurements(measurements)
+setKernels(kernels)
+setInitialParams(initialParams)
+setQuadParams(quadParams)
__getELinkAndELogLinkValues(eMean, eVar)
LinearSVEmbedding
+setInitialParams(initParams)
+getParams()
LinearSVEmbeddingAllTimes
__getMeansAndVarsGivenSVPosteriorOnLatentsStats(means, vars)
+predictLatents(newTimes)
LinearSVEmbeddingAssocTimes
+setNeuronForSpikeIndex()
__getMeansAndVarsGivenSVPosteriorOnLatentsStats(means, vars)
SVPosteriorOnLatentsAllTimes
+computeMeansAndVars()
+buildKernelsMatrices()
+setKernels(kernels)
+setInitialParams(initialParams)
+predict(newTimes)
SVPosteriorOnLatentsAssocTimes
+computeMeansAndVars()
+buildKernelsMatrices()
+setKernels(kernels)
+setInitialParams(initialParams)
IndPointsLocsKMS
+buildKernelsMatrices()
+getKzz()
+getKzzChol()
IndPointsLocsAndTimesKMS
+setTimes(times)
+getKtz()
+getKtt()
ExponentialQuadraticKernel
+__init__(scale)
+buildKernelMatrix(X1, X2 = None)
+buildKernelMatrixDiag(X)
PeriodicKernel
+__init__(scale)
+buildKernelMatrix(X1, X2 = None)
+buildKernelMatrixDiag(X)
IndPointsLocsAndAllTimesKMS
+buildKernelsMatrices()
IndPointsLocsAndAssocTimesKMS
+buildKernelsMatrices()
PoissonELLExpLink
__getELinkAndELogLinkValues(eMean, eVar)
PoissonELLQuad
+setQuadParams(quadParams)
__getELinkAndELogLinkValues(eMean, eVar)
PointProcessELLExpLink
__getELogLinkVaues(eMean, eVar)
__getELinkValues(eMean, eVar)
PointProcessELLQuad
+__init__(svEmbeddingAllTimes, svEmbeddingForAssocTimes, linkFunction)
+setQuadParams(quadParams)
__getELinkValues(eMean, eVar)
__getELogLinkVaues(eMean, eVar)
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