**NeuroMiner changes for NM 1.2 (Feanor) Release**

|  |  |  |
| --- | --- | --- |
| **(New) NM functionalities** | **New/Udated function(s)** | **Status** |
| (Re-)implementation of constrained stratified CV | nk\_CVpartition\_config, nk\_MakeCrossFolds, nk\_CVpartition | Done |
| Alternative label definition |  | In Progress |
| Factorization visualization in the NM visualization module | nk\_VisModels, nk\_VisXWeight, nk\_VisXHelper | Not started |
| Synthetic data generation module |  | Not started |
| Improved memory management (e.g. in the visualization module) | nk\_VisModelsPrep, nk\_VisModels | In Progress |
| Pruning of unused/orphaned functions |  | Not started |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

***NeuroMiner 1.1 New Feature List***

|  |  |  |
| --- | --- | --- |
| **NM functionalities requiring update** | **Function** | **Status** |
| *Implement mixed-mode stacking option to allow mixing of original data and higher-level predictions in meta-learning setup.* | *Will not be included in NM 1.0* | *Not started* |
| *Implement hierarchical stacking / data fusion in NM* | *Will not be included in NM 1.0* | *Not started* |
| *Implement Bayesian optimization methods for large parameter spaces* | *Will not be included in NM 1.0* | *Not started* |