**Testing plan**

|  |  |
| --- | --- |
| Research title | A review on similarity measures for adaptive learning |
| Tested measures | Set *A* includes basic measures and set *B* includes variants of basic measures in set *A*. |
| Datasets | Movielens 100K, Film Trust, maybe another optional one more. |
| Cross folders | *k* = 5, 20, 50, 100 in which values *k* = 50 and *k* = 100 are optional. |
| Algorithms | User-based dynamic nearest neighbor (UDNN) is the main one and item-based dynamic nearest neighbor (IDNN) is optional. |
| Stages | There are four main stages in which only steps 1 and 2 are essential:   * Stage 1: Testing *A* with *k* = 5, 20 over all datasets with UDNN. * Stage 2: Testing *B* with *k* = 5, 20 over all datasets with UDNN. * Stage 3: Testing *A* with *k* = 5, 20 over all datasets with IDNN (optional). * Stage 4: Testing *B* with *k* = 5, 20 over all datasets with IDNN (optional).   Consequently, there are two optional stages:   * Stage 5: Testing *A* with *k* = 50, 100 over all datasets with UDNN (optional). * Stage 6: Testing *B* with *k* = 50, 100 over all datasets with UDNN (optional).   Finally, there are two other optional stages with least priority, which may be removed:   * Stage 7: Testing *A* with *k* = 50, 100 over all datasets with IDNN (optional). * Stage 8: Testing *B* with *k* = 50, 100 over all datasets with IDNN (optional). |