

Course Work: Collaborative Filtering
Assignment No.2 Report

Normalized Mean Absolute Error (NMAE) table for LFM

| | Param 1 f=10, i=30 | Param 2 f=10, i=40 | Param 3 f=15, i=30 | Param 4 f=5, i=30 | Param 5 f=20, i=30 |
|----------------|-------------------------------------|-------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|
| Fold 1 | 0.185 | 0.1861125 | 0.195925 | 0.1939 | 0.2194625 |
| Fold 2 | 0.18375 | 0.1830625 | 0.1920125 | 0.1863875 | 0.21285 |
| Fold 3 | 0.1817875 | 0.1792 | 0.193625 | 0.18865 | 0.2092 |
| Fold 4 | 0.18235 | 0.1827875 | 0.192125 | 0.187575 | 0.2123375 |
| Fold 5 | 0.1857125 | 0.185825 | 0.1929875 | 0.1910625 | 0.215675 |
| Average | 0.183720 | 0.183397 | 0.193335 | 0.189515 | 0.213905 |

| | Param 6 f=7, i=30 | Param 7 f=10,i=35 | Param 8 f=10,i=45 | | | |
|----------------|------------------------------------|------------------------------------|------------------------------------|--|--|--|
| Fold 1 | 0.18745 | 0.183575 | 0.1841 | | | |
| Fold 2 | 0.182375 | 0.180285 | 0.1812875 | | | |
| Fold 3 | 0.1822875 | 0.183035 | 0.179875 | | | |
| Fold 4 | 0.1830875 | 0.183375 | 0.1829125 | | | |
| Fold 5 | 0.1857875 | 0.185875 | 0.1825375 | | | |
| Average | 0.184197 | 0.183229 | 0.182143 | | | |