|  |  |
| --- | --- |
| ALS Fold 1 | Results |
| Alternating least squares after baseline correction | 0.0556 after 5x10 iterations |

# Endsem Collaborative Filtering

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Attached Matlab script Check\_1.m computes baseline correction by calculating baseline using user and item bias, it also imports all the datasets. After this subtracting baseline to get interaction matrix was done in check\_2.m.

Than matrix factorization is performed using Alternating least squares after baseline correction up to 50 iterations. As predicted the results are much better.