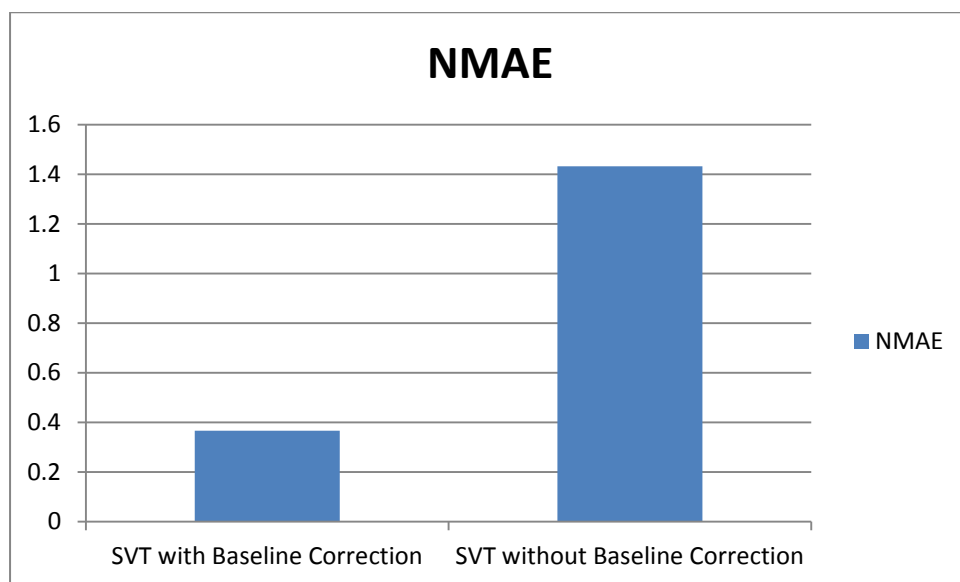


## Quiz-4 Collaborative Filtering

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PHD 1327

SVT FOLD -1	Results
SVT on Test Set-1 after baseline correction	0.3672 after 300 iterations
SVT on Test Set-1 without baseline correction	1.432 after 700 iterations



Attached Matlab c1.m computes baseline correction by calculating baseline using user and item bias. After this subtracting baseline to get interaction matrix was done than matrix factorization is performed using SVT up to 300 iterations. As predicted the results are much better than results without baseline prediction.