

Collaborative Filtering Assignment 1 Report

MAE values for User Based recommender system

	K = 10	K = 20	K = 30	K = 40	K = 50
Fold 1	0.7802590	0.7619369	0.7543041	0.7502231	0.7467420
Fold 2	0.7794262	0.7599151	0.7524850	0.7478404	0.7455421
Fold 3	0.7787919	0.7609632	0.7537163	0.7498035	0.7473436
Fold 4	0.7797772	0.7614720	0.7543832	0.7498325	0.7461552
Fold 5	0.7807813	0.7616671	0.7544579	0.7497218	0.7467306
Average	0.7798071	0.7611908	0.7538693	0.7494842	0.7465027

MAE values for Item Based recommender system

	K = 10	K = 20	K = 30	K = 40	K = 50
Fold 1	0.7755680	0.7565263	0.7491348	0.7450223	0.7424647
Fold 2	0.7743432	0.7572572	0.7493978	0.7457419	0.7430728
Fold 3	0.7766868	0.7575688	0.7501486	0.7452022	0.7427293
Fold 4	0.7783033	0.7565815	0.7479332	0.7448692	0.7430649
Fold 5	0.7759800	0.7577544	0.7497850	0.7459569	0.7433626
Average	0.7761762	0.7571376	0.7492798	0.7453585	0.7429388