Details

Ratings were rounded off to integers, and kept inside [1,5] while copmuting NMAE, because of which errors are much higher than others who did the assignment

Because of time constraints, only 20% of the test data of Movielens1M was used for predictions

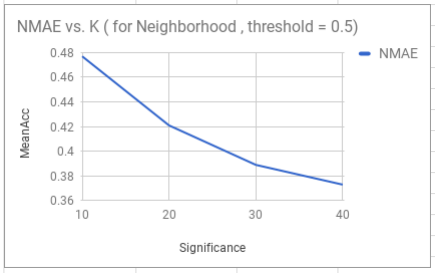
Neighborhood uses the same weight function as significance, but with a threshold as 0

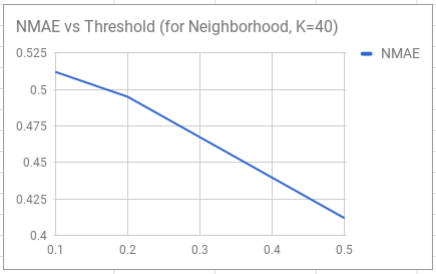
Spearman rank coefficient used for last 3 parts, and Pearson coefficient for first 2

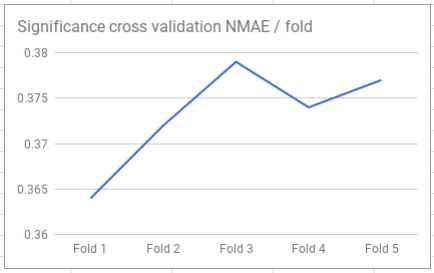
ML100k Dataset

	Fold 1	Fold 2	Fold 3	Fold 4	Fold 5	NMAE
User-User	0.248	0.239	0.239	0.245	0.249	0.244
Item-Item	0.269	0.271	0.264	0.26	0.258	0.264
Significance	0.364	0.372	0.379	0.374	0.377	0.373
Variance	0.547	0.539	0.545	0.55	0.549	0.546
Neighborhood	0.404	0.417	0.414	0.412	0.411	0.412

Neighborhood (0.5)	NMAE	Neighborhood (40)	NMAE
10	0.477	0.1	0.512
20	0.421	0.2	0.495
30	0.389	0.5	0.412
40	0.373		







ML1m Dataset

	Fold 1	Fold 2	Fold 3	Fold 4	Fold 5	NMAE
User-User	0.253	0.247	0.256	0.249	0.25	0.25
Item-Item	0.237	0.219	0.232	0.224	0.223	0.228
Significance	0.618	0.631	0.627	0.629	0.632	0.628
Variance	0.6027	0.617	0.612	0.609	0.616	0.611
Neighborhood	0.534	0.548	0.542	0.545	0.554	0.545

Neighborhood (0.5)	NMAE	Neighborhood (40)	NMAE
10	0.68	0.1	0.617
20	0.672	0.2	0.589
30	0.661	0.5	0.545
40	0.628