

CSE 472
Matrix Factorization for Recommender System

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RMSE for Different K and λ

K	λ	RMSE
5	0.01	4.4178
	0.1	4.3728
	1	4.3486
	10	4.3677
10	0.01	4.8125
	0.1	4.6368
	1	4.6705
	10	4.7451
20	0.01	6.0025
	0.1	5.2815
	1	5.3345
	10	5.5875
40	0.01	7.9038
	0.1	6.9154
	1	6.8831
	10	6.8993

Minimum RMSE = 4.3486 for $K = 5$ and $\lambda = 1$
RMSE for test data is = 4.1915