# Java Doc-Mahout Core 0.9 API(https://builds.apache.org/job/Mahout-Quality/javadoc/)

# [A Programmer's Guide to Data Mining](http://guidetodatamining.com/)(<http://guidetodatamining.com/>)

**Result Table-**

|  |  |  |
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| **S.No** | **Algorithm Used** | **RMS Error Found** |
| 1 | Random Recommender | 1.706745107579322 |
| s2 | GroupLens Recommender | 0.9604833884849696 |
| 3 | ItemAverageRecommender | 1.046489529489477 |
| 4 | ItemUserAverageRecommender | 0.992324821381628 |
| 5 | SlopeOneRecommener | 0.9596826270668479 |
| 6 | Item Based with PearsonCorrelationSimilarity | 1.2848360576796047 |
| 7 | Item Based with EuclideanDistanceSimilarity | 1.027020215629764 |
| 8 | Item Based with CosineSimilarity | 1.0434303652370585 |
| 9 | User Based with EuclideanDistanceSimilarity(k=50) | 0.9796846711922585 |
| 10 | User Based with EuclideanDistanceSimilarity(k=100) | 1.0307653814022009 |
| 11 | User Based with PearsonCorrelationSimilarity (k=50) | 1.077093120362919 |
| 12 | User Based with PearsonCorrelationSimilarity (k=100) | 1.0768530493114155 |
| 13 | User Based with CosineSimilarity (k=50) | 1.025580177537051 |
| 14 | User Based with CosineSimilarity (k=100) | 1.018564613113902 |