

# Short Introduction to Collaborative Filtering

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## Abstract

This document provides a very short introduction to building Recommender Systems using Collaborative Filtering and Alternating Least Squares.

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## Introduction

### Intuition

- Latent, i.e. unobserved factors
- Matrix decomposition
- Sparse matrix
- SVD: Correct but computationally intensive
- ALS: Approximation
- Simple to parallelize; ideally suited to Spark

## Appendix

*R code*

*Data set*

The data set...

<http://some.where.de>

## References

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