

8-3: What Else?

Introduction to Recommender Systems

Where We've Focused

- Basic Algorithms
 - content-based, user-, item-, matrix factorization
- Evaluation Metrics
- Basics of Data and Interfaces
- Basic Principles
 - Prediction vs. recommendation
 - Measuring what you want to optimize
 - User experience

Introduction to Recommender Systems

Learning Objectives

- To recognize issues we have not addressed in this introductory course
- To learn where to go for more information

Introduction to Recommender Systems

What We Only Introduced

- Context-Aware Recommenders
- Trust-Based Recommenders
- Explanations and Credibility
- Critiquing Recommenders
- Hybrid Recommenders
- Group Recommendation

Introduction to Recommender Systems

What We Didn't Cover

- Multi-Criteria Recommenders
 - What happens when you have separate criteria instead of just “liking”?
- De-Noising Data
- Classifier Learning
- Cluster Analysis
- Factor Analysis Approaches
- Constraint-Based Recommenders
- Temporal Recommenders
- Rating Systems and Related Research
- Visualization
- Social Tagging-Based Recommenders
- Recommender Attacks and Defenses

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Getting More Information

- Books
 - *Handbook of Recommender Systems* (Ricci et al., Eds.) 2011, 2014?
- Research Articles
 - *ACM Conference on Recommender Systems*
 - *ACM Trans. on Information Systems*
 - *User Modeling and User-Adapted Interaction*

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