

8-5: Wrap Up

Introduction to Recommender Systems

Goals and Take-Aways

- Understanding of Recommender Systems Evaluation and Metrics
 - Different metrics for different goals
 - How to measure in a meaningful way
 - Limitation of metrics
- Broader Introduction
 - Interaction and Design
 - Emerging models
 - Data quality, pragmatic issues

Introduction to Recommender Systems

Goals and Take-Aways

- Broad Overview of Recommendation Techniques – Focused around Algorithms
 - Non-Personalized
 - Summary stats
 - Product Association
 - Content-Based Filtering
 - User-User Collaborative Filtering
 - Item-Item Collaborative Filtering
 - Dimensionality Reduction (SVD)

Introduction to Recommender Systems

Goals and Take-Aways

- A few parting thoughts ...
 - Recommender solutions require thoughtful design ... there is no generic solution
 - What are ratings? What are recommendations? What is the system goal? All context-dependent.
 - Evaluation is essential to building quality recommender systems
 - Evaluation for tuning; evaluation against overall goals.
 - Nearly all recommender systems depend on some simplifying assumptions ...

Introduction to Recommender Systems

Reflecting on this Course

- In case you've wondered about your peers ...
 - A little over 28,000 people “ever signed up”
 - A little over 1000 people doing “everything”
 - Around 2500 people “picking and choosing”
- What did we learn?
 - A lot of thanks are due ...
- Are there things we'd do differently?
- Are we planning to offer the course again?

Introduction to Recommender Systems

Looking forward ...

- Finishing Written Assignment 6
 - And peer grading
- Second Exam
 - Same structure; only covers Modules 5-8
 - Evaluation; Item-Item; SVD; Advanced Topics
 - But integrative questions are fair game
- End-of-Course data gathering
 - Survey; Post-Course Knowledge Evaluation
- End-of-Course schedule
 - Final scores; statements; forums; and course shutdown

Introduction to Recommender Systems

Finally ... Thanks!

- This has been an interesting experience
 - We appreciate your time and involvement, active feedback, discussion, patience, and trust.
 - We hope you feel you've received something worthwhile in exchange

Introduction to Recommender Systems

8-5: Wrap Up

Introduction to Recommender Systems