

Looking Forward

- Lots of research issues on pattern discovery are still waiting to be solved
- Application exploration: Invisible Pattern Mining (i.e., built into various search, ranking, mining and other functional units)
 - Discriminative-pattern-based classification
 - Indexing and retrieval (e.g., graph indexing and similarity search)
 - Text mining: Phrase mining and topic modeling
 - Software bug mining and mining software specifications
 - Spatiotemporal and trajectory data mining
 - Image and multimedia data mining
 - Biological and chemical data analysis: DNA, graphs
 - Subspace clustering (to be covered in Clustering in Data Mining)
 - Web logs → Click stream patterns → Recommendation