Module VI: Summary & Looking Forward

3:40 pm - 3:50 pm
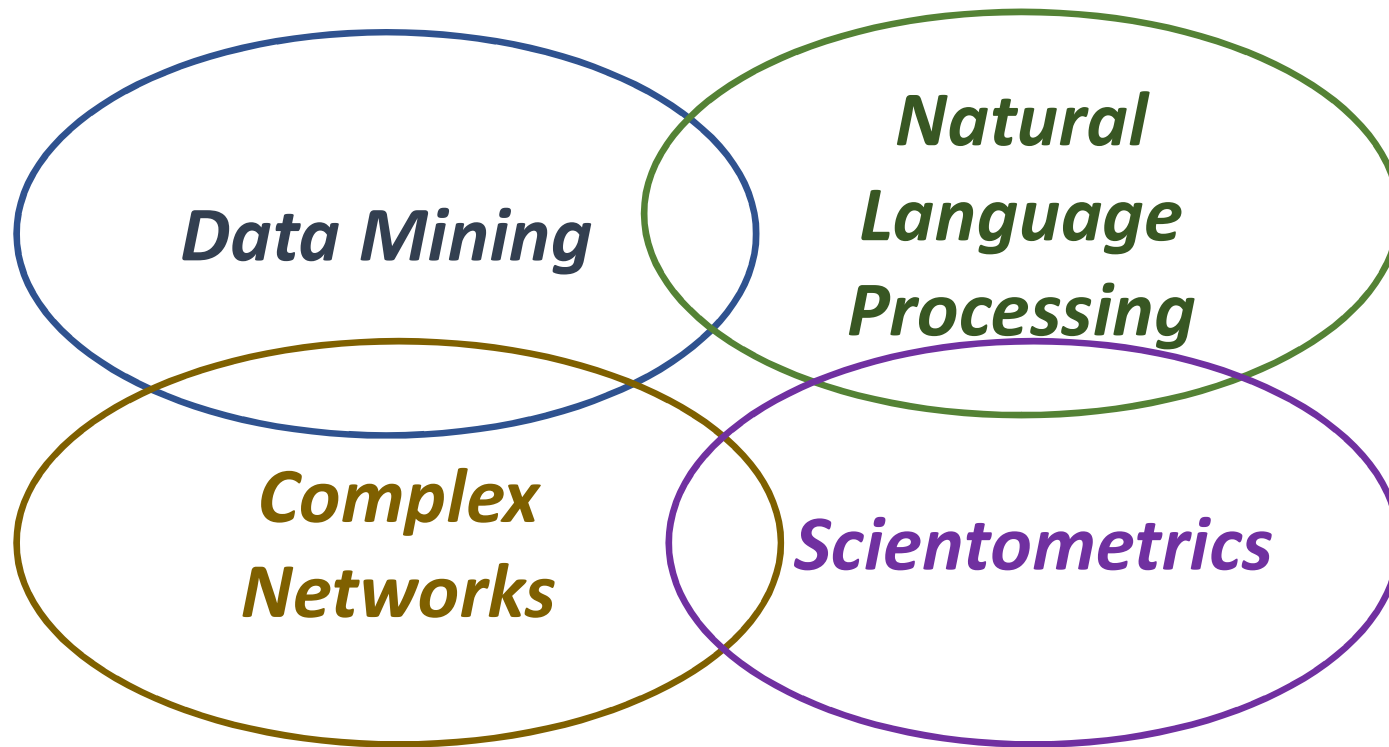
Morning **Graph**
- *Module 1*: MAG dataset
- *Module 2*: Graph basics
- *Module 3*: Graph representation learning

Afternoon   **Knowledge Graph (KG)**
- *Module 4*: KG fundamentals and construction
- *Module 5*: KG inference and application

Summary

Data Mining

Natural Language Processing

Complex Networks

Scientometrics

Microsoft Academic Graph
(MAG)

Core beliefs:

- Explicit knowledge representation
- Unsupervised (or weakly supervised) learning

What's next:

- Open data, open access
- Bridge different research communities, leverage and advance the SoTA

Looking forward

More Info and Data

<u>More theory materials:</u>

Comprehensive algorithms and theories, see our edX course:
https://www.edx.org/course/from-graph-to-knowledge-graph-algorithms-and-applications

----

<u>More details and updates on Microsoft Academic Graph (**MAG**)</u>

Project page: https://www.microsoft.com/en-us/research/project/microsoft-academic-graph/

Documentation and Samples: https://docs.microsoft.com/en-us/academic-services/graph/

Search Portal: https://academic.microsoft.com/home

Open Academic Graph (OAG): https://www.openacademic.ai/oag/

Thank You   &   Questions?