Department of Statistics and Business Analytics

Statistical Consulting Unit

Workshops/Training courses

Title: Graph Analytics and Visualization

Statistical Software: yEd

Requirements: None

Instructor: Dr. Gurdal Ertek

Target Group: Any participant junior (3rd year undergraduate) and above (including Master's and Doctorate levels)

Date: 17 – 23 February, 2025

Period: 2 days, 4 hours/session, 8 hours total

Platform: Face to face Meeting, with interactive session; participants must bring laptops.

Inclusive of Scientific Materials: PowerPoint Slide Presentations, Practice-Oriented Research Papers, Sample Graph Data, and E-Certificate

Description:

This graph analytics training provides a comprehensive overview of the various techniques and approaches utilized to effectively analyze and interpret graph data. It offers participants the opportunity to develop an in-depth understanding of the fundamentals of graph analysis. Learners will gain insights into advanced graph analytics concepts such as community detection and centrality measures. The hands-on practice session with leading graph analytics software will allow the learners to practice graph analytics during the training.

Topics Covered:

Day 1:

- Why graphs
- Visualization & graphs in business
- Finding anomalies
- Managing networks and supply chains
- Identifying risk patterns
- Optimizing asset mix
- Social network analysis
- Graph analytics **software: yEd**
- Graph analytics software: Gephi

Day 2:

- Case Studies
- Interactive **hands-on practice** session
- Assessment

Workshop Fee: 1,000 AED

Contact US: statconsult@uaeu.ac.ae

*20% off for UAEU students