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Course objectives

The objective of this course is to equip engineers with the ability to transform complex datasets into clear, meaningful, and actionable visual representations using both traditional visualization techniques and modern AI-powered approaches.

Training course duration:

Three Days

Timing:

8 a.m. - 2 p.m. Daily

Course outline :

Day one topics:

Classical Data Visualization
Objectives:
Understanding the principles of effective visualization
Learn classical basic visualization
Practice

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Day two topics:

Advanced Visualization & Introduction to AI
Objectives:
Learn advanced classical methods
Introduce AI in visualization
Explore AI-assisted visualization

Day three topics:

AI Visualization & Storytelling
Objectives:
Generate narrative alongside visuals
Understand ethical considerations
Combine course tools in a final project

Instructor:

Dr. Fatma Madouh
Mechanical Engineering
Dr. Mohammad Al-Kandari
Computer Engineering
College of Engineering & petroleum
Kuwait University