Communications and Information Engineering (CIE) Program
Statistical Inference and Data Analysis (CIE 457), Spring 2025

Data Visualization Assignment

In this **individual** assignment, you are required to perform the following:
a) Read the **storytelling with data** book.
b) Select a topic on which you apply the principles in the book. The topic should be different from the topics in the book and different from the topic of the project.
c) Prepare a presentation on the following chapters from the book applied on your selected topic in (b).
   1. Understand the context (Chapter 1)
   2. Choose an appropriate display (Chapter 2)
   3. Eliminate clutter (Chapter 3)
   4. Draw attention where you want it (Chapter 4)
   5. Think like a designer (Chapter 5)
   6. Tell a story (Chapter 7)
d) In case you disagree with any of the principles from **storytelling with data** book, you should mention your justification and an alternative proposal.

Grade distribution:
The grades will be distributed based on the following **(maximum is 10 points)**:
1- Quality and content of the presentation including figures, and adherence to the selected topic. **(5 points)**
2- How well you present the topic as a coherent story, respond to questions, understand the topic, and adhere to the time schedule. **(5 points)**

Notes:
- The grading scale per item will be on a scale from 1-5 (5 being the highest)
- Please note that the questions that will be asked will be related to storytelling with data, and data visualization. There might not be right or wrong answers to the questions, but the objective is to assess your way of thinking as a future data analyst and your critical thinking skills in terms of selecting visuals, etc.

Deliverables:
1- Presentation slides to be submitted by the communicated deadline.
2- 15 minute presentation to be performed based on the submitted slides.