

# DA-518 Exploratory Data Analysis and Visualization

The goal for the course is to emphasize on the tools and techniques of visual business intelligence to help you make better use of your valuable information assets. Visualization is a tool to explore trends, relationships, confirm hypotheses, communicate findings and gain insight about data. This course will focus on teaching participants the principles and techniques for creating interactive visual representations from raw data in particular for quantitative analysis.

## Instructor

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## Tentative Outline

- Course Objectives & Introduction to EDA
- Data Visualization
- Open-Source Data Visualization Tools
- Data Wrangling
- Project Proposals
- Interactive Dashboards
- Project Presentations

## Grading

Term Project: Notebook (90%) + ~~Interactive Dashboard (40%)~~ + Presentation (10%)

## Course Logistics

- Weekly lectures (2-3 hours)
- In-class exercises
- Ungraded Case studies
- All announcements and assignment submissions will be made on sucourse.

**Important Note:** This document may be modified during the semester due to unforeseen reasons.