eiGroup LLC | Technical Assignment

Khalid Alnujaidi

September 19, 2024

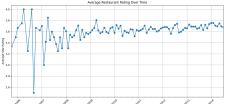


Task 1 | Yelp Reviews

Objective: Yelp Reviews Dataset Analysis

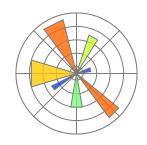
Methodology: Using python and some popular data analysis libraries

Findings: numerical insights that can be visualized

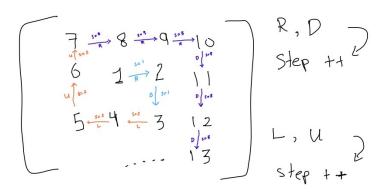








Task 1 | Spiral Matrix



3

Layman Definition: Having many microphones made up of fiber optics throughout the ground.

Applications:

- ▶ Oil and Gas Industry: Monitoring pipeline integrity, leak detection, and flow measurements.
- ➤ **Seismic Monitoring:** Earthquake detection and geophysical surveys.
- **Security:** Perimeter security and intrusion detection.
- ► **Transportation:** Rail and road traffic monitoring.
- Environmental Monitoring: Wildlife tracking and environmental sensing.

