CS 445/545: Final project Stage 3

In this stage, your team will transition from planning to execution by implementing the visualization strategies outlined in Stage 2. **Each team member** is required to submit at least **three distinct** visualization results. Your primary objective is to develop the final visualizations using Python or another appropriate visualization tool, refine them for clarity and impact, and compile them into a well-structured PowerPoint presentation for public viewing. The final deliverables include:

A. Individual Deliverables

Each team member must contribute visualizations that meet the following criteria:

1. **Detailed Annotation**
   o Every chart must display its underlying data values directly (e.g., annotations on bars, data points, or boxes).
2. **Consistent Styling**
   o Use a uniform font family and size (e.g., Times New Roman, 14 pt) for all titles, labels, and legends.
3. **Derived Data**
   o At least one of your visualizations should be based on data you've derived, computed, or transformed (e.g., rates, ratios, principal components).
4. **Detailed Explanations**
   o Accompany each graphic with concise instructions or captions that explain what the viewer should notice and why it matters. Your explanation needs to be more elaborate than usual assignments.
5. **Unique Content**
   o Do not duplicate or closely mirror any visualization produced by your teammates.

B. Team Deliverables

- **Working Visualizations**
  o Fully functioning charts, graphs, and maps corresponding to your Stage 2 proposals.
- **Documented Codebase**
  o All scripts (e.g., Python notebooks or modules) must include comments that explain your data processing steps and design decisions.
- **Presentation Slide Deck**
  o A well-organized PowerPoint summarizing your methodology, visual results, and key insights.
- **GitHub Repository**
  o Upload all code, data, visual assets, and the presentation to a public GitHub repo.

C. Submission Instructions

1. **Organize** everything in a single GitHub repository.
2. **Make it public** and ensure all links/images work.
3. **Submit** the repository URL on Canvas by the deadline.