Data Analytics Group Project

<u>Work Division</u>

- Completed Analysis Uploaded to GitHub
  - Final Data Analysis contains ample and complete information in README file
  - Final repository is acceptable for professional quality presentation
- Visualizations
  - 6-8 visualizations of data (at least 2 per question)
  - Clear and accurate labeling of images
  - Visualizations supported with ample precise explanation
- Analysis and Conclusion
  - Write-up summarizes major findings and implications at a professional level
  - Each question in the project proposal is answered with precise descriptions and findings
  - Findings are strongly supported with numbers and visualizations
  - Each question response is supported with a well-discerned statistical analysis from lessons (e.g., aggregation, correlation, comparison, summary statistics, sentiment analysis, and time series analysis)
- Group Presentation
  - All group members spoke during the presentation
  - Group was well prepared
  - Presentation is relevant to material
  - Presentation maintains audience interest
- Slide Deck
  - Slides are visually clean and professional
  - Slides are relevant to material
  - Slides effectively demonstrate the project
  - Slides are clear and maintain audience interest

- **Project Title**: The impact of sociological factors on drug overdoses in the U.S.
- **Team Members**: Jason Casperson, Desmond, Jair Navarrete, Rachel Dabbs
- **Project Description/Outline**: We are analyzing the different socioeconomic variables that could affect drug overdoses in the United States.
- **Research Questions to Answer**:
  - What drug overdose was the leading cause of death in the U.S.?
  - Is there a correlation between COVID-19 and drug overdoses?
  - Is primary/secondary education a predictive indicator for drug overdoses?
  - Which state has the highest death tolls for drug overdoses?
- **Datasets to Be Used:**
  - Rutgers School Funding Fairness Data System
  - CDC
- **Rough Breakdown of Tasks**:
  - Completed Analysis Uploaded to GitHub- Jason
  - Visualizations- Jair
  - Analysis and Conclusion- Desmond Workman + everyone on team
  - Slide Deck- Rachel