**Project #1**

**Project Title**: Impact of COVID-19 on Houston’s Workforce

Team Members:

**Josh Bond, Tia Anderson-Ortega, Anthony Goins, Janette Chairez, Krishna Pulipaka**

**Link to GitHub Repository**: <https://github.com/tiaortega/Group_4_Project_1>

**Project Description/Outline**:

Analysis of Job Turnover and Separation because of COVID-19 by using Patient Positivity and Negativity Results Over Time

**Research Questions and Answers**:

1. How did parent’s staying home impact children’s health during the pandemic?
2. How having to care for or family member impact the parents?
3. Have any specific industries affected more than others?
4. Which age-group is most impacted?
5. Did teenagers that worked in essential service sectors tested positive?
6. Single parent household analysis vs. both parents household

**Data Sets to be Used:**

Patient COVID-19 Test Results (.csv file)

COVID-19 Status by Country and Date (Free API)

Bureau Labor Statistics (BLS) Job Openings and Separation Data (Free API) – version 2

**Rough Breakdown of Tasks**:

* Creating the GitHub – Tia – Done
* Obtain data sets from the hospital – Janette
* Clean up COVID-19 API – Krishna
* Clean up BLS API – Anthony
* Create MatPlotLib Visualizations:
  + (2) Geo Map Visualizations – Krishna
  + (2) Line Graphs – Date/Time - Anthony
  + (2) Bar Graphs - Tia
  + (2) Pie Chart and Scatter Plot – Janette
* Statistic Measures and Box Plot – Josh
* Documentation – (refer to SpaCy documentation) – ALL
* Write Up/Presentation (Power Point And Readme) – ALL