*Project Three-Proposal*

*Data Analyst- Patrick Carpenter*

*Data Analyst- Sergio Guerrero*

*Data Analyst- Ricia Daniels*

***Disease\_ Dataset***

*Project Three* The data will assist in the development of models for diseases, diagnosis and monitoring based on symptoms and patient characteristics. Researchers focused on specific diseases and conditions mentioned in the dataset that can utilize it to explore relationships between symptoms, age, gender, weight and other variables.

*Project Three* will explore how to create and use the ETL process to produce diagrams and a visual dashboard which will illustrate relationships symptoms, age, gender, weight and other variables to assist in the development of models for disease, diagnosis, and monitoring based on their characteristics.

*Project Three* will corelate and merge all factors for patients with disease symptoms of the top 10 diseases for patients admitted at the *SPR Hospital located at 7800 Bluebell Lane, Potato* *Chip, Texas 75034*. There are two groups age (25-55 years of age) and the age (56-90 years of age).

SPR Hospital

SPR Hospital located at 7800 Bluebell Lane,

Potato Chip, Texas 75068

***(Group I) 25-55 years of age (Group II) 56-90 years of age***

***Project Three will consist in all processes created with interactions of all parties involved to include:***

***Patrick Carpenter -duties include Flask, API, ETL Python (front end, back end)***

***Sergio Guerrero- HTML, SQLite React (front end) (backend)***

***Ricia Daniels- JavaScript, readme, CSS, ETL (front end, back end)***

***Questions***

1. *Do older patients tend to have a higher likelihood of a positive outcome at SPR Hospital?*
2. *Are certain diseases more associated with specific blood pressure or cholesterol levels at SPR Hospital?*
3. *Are some diseases more likely to have a positive outcome than others at SPR Hospital?*
4. *What are the top five diseases at SPR Hospital?*
5. *What are the frequent diseases by gender at SPR Hospital?*
6. *In Group I how many patients compared to Group II have a higher blood pressure rate at SPR Hospital?*
7. *In Group I and Group II what is the ratio of illness that are debilitating at SPR Hospital.*
8. *What is the percentage of patients in Group I and II that have a difficulty in breathing with their diagnosis at SPR Hospital?*
9. *At SPR Hospital, many patients are admitted with a fever, who have a higher number of patients in Group I and Group II?*
10. *What is the number one disease that has a higher female rate of fatigue at SPR Hospital?*
11. *Do males have a higher cough diagnosis in both Group I and II than females in both Groups?*
12. *The diagnosis of cancer is higher in females or males in both Group I and II at SPR Hospital?*
13. *What percentage of the patients have low blood pressure at SPR Hospital in Group I and Group II?*
14. *Is there a correlation between age and difficulty in breathing with Group II at SPR Hospital?*
15. *What age group is admitted more at SPR Hospital?*
16. *Do males tend to have higher fever than females at SPR Hospital?*
17. *Do females in Group II have higher cholesterol than males in Group II at SPR Hospital?*
18. *Do males in Group I have better outcome variable than female in Group I at SPR Hospital?*
19. *Who have more diagnosis’s males or females at SPR Hospital?*
20. *Who is admitted more males or females and which Group I or Group II?*