**Logo

Description automatically generated**

NFL Concussion Analysis

### **Team Members**

|  |  |  |
| --- | --- | --- |
| **Name** | **Email** | **Phone Number** |
| Kelsey Brantner | TBD | TBD |
| Daniel Carrasco | danielcarrasco100@gmail.com | (209) 327-6457 |
| Joel Pangilinan | joel\_pangilinan@yahoo.com | (707) 761-4145 |
|  |  |  |

### **Background**

* Describe the idea and how it’s a valid idea.
* We want to do exploratory data analysis on NFL concussions from 2012-2015
* We are interested to know how the concussions affects the NFL with respect to the player and team performance.

### **Motivation**

Talk about what motivates you to work on this project.

As fans of NFL, we don’t want players getting injured. Getting to know how concussions affects the NFL will give some perspective how the sport can move forward.

### **Questions to answer**

* Question 1
* Question 2
* Question 3
* Which position gets the concussion the most on both offense and defense?
* How long the player were out?
* How did the injury affected the player’s play time?
* How did the team fare in the game with a concussed player?
* What team are most prone to concussions?
* What team inflicted most concussions?

### **Tools/Modules to use**

* Python
* Pandas
* Matplotlib
* NumPy
* SciPy
* etc.

### **Data sets to use**

List all possible databases you’ll use

* Link 1

<https://data.world/alice-c/nfl>

### **Tasks Breakdown**

TBD – Since one of our team member is not present, we will determine the division of tasks later.

Student 1: Collect/Clean the data.

Student 2: Dashboard and ….

Student 3: Visualization and ….

Student 4: Presentation and … .

### **Tasks and timeline**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Date** | **Task** | **Notes** |
| **Seg-0.2** | **01/19/22** | Determined the dataset to analyze |  |
| **Seg-0.3** | **01/19/22** | Finished the project proposal and submitted it for approval |  |
| **Seg-0.4** | **01/20/22** | Meet to break down the tasks needed to be done |  |
| **Seg-0.5** | **01/23/22** | TBD |  |
| **Seg-0.6** | **01/24/22** | (Go Back 3 Spaces ..) |  |
| **Seg-0.7** | **01/25/22** |  |  |
| **Seg-1.1** | **01/26/22** |  | Group Roster and Project Idea Proposal Due |
| **Seg-1.2** | **01/27/22** |  |  |
| **Seg-1.3** | **01/28/22** |  |  |
| **Seg-1.4** | **01/29/22** |  |  |
| **Seg-1.5** | **01/30/22** | Prepare the presentation |  |
| **Seg-1.6** | **01/31/22** | Present to the class our project |  |
| **Seg-1.7** |  |  |  |
| **Seg-2.1** |  |  |  |
| **Seg-2.2** |  |  |  |
| **Seg-2.3** |  |  |  |
| **Seg-2.4** |  |  |  |
| **Seg-2.5** |  |  |  |
| **Seg-2.6** |  |  |  |
| **Seg-2.7** |  |  |  |
| **Seg-3.1** |  |  | 1st Segment Due |
| **Seg-3.2** |  |  |  |
| **Seg-3.3** |  |  |  |
| **Seg-3.4** |  |  |  |
| **Seg-3.5** |  |  |  |
| **Seg-3.6** |  |  |  |
| **Seg-3.7** |  |  |  |
| **Seg-4.1** |  | Finalize the project | 2nd Segment Due |
| **Seg-4.2** |  |  |  |
| **Seg-4.3** |  | Mock Presentation |  |
| **Seg-4.4** |  |  |  |
| **Seg-4.5** |  |  |  |
| **Seg-4.6** |  |  |  |
| **Seg-4.7** |  |  | 3rd Segment Due |
| **Seg-5.1** |  | PROJECT PRESENTATION | 4th Segment and  Self Assessment Due |
| **Seg-5.2** |  |  |  |
| **Seg-5.3** |  | PROJECT PRESENTATION | 4th Segment and  Self Assessment Due |
| **Seg-5.4** |  |  |  |
| **Seg-5.5** |  |  |  |
| **Seg-5.6** |  |  |  |
| **Seg-5.7** |  |  | All submissions Due |

### **Presentation**

Divide your presentation steps to tasks and assign it to members.

Suggested by:  
Khaled Karman