SportsStatsCapstone Project

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Preparing for Your Project Proposal

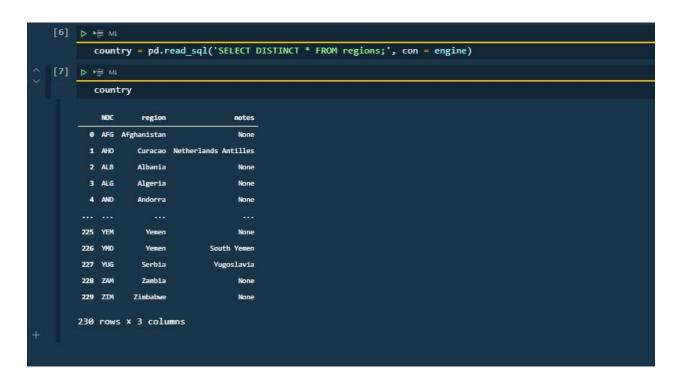
Which client did you select and why?

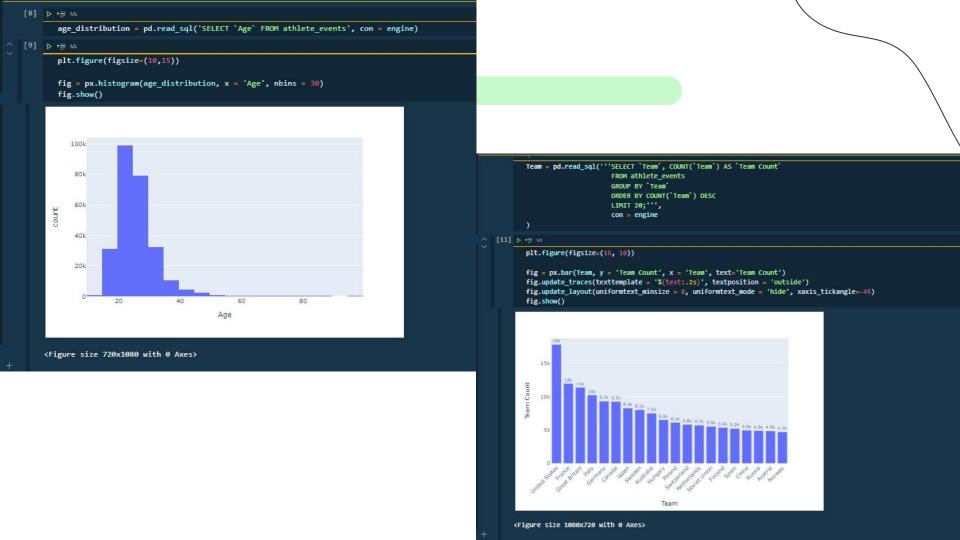
- I choose the SportsStats client. I selected this project since I have strong knowledge in sports and have interests in working in ports analytics reports.
- With an analysis of the dataset, I can find patterns and hidden insights for players, hidden insights.

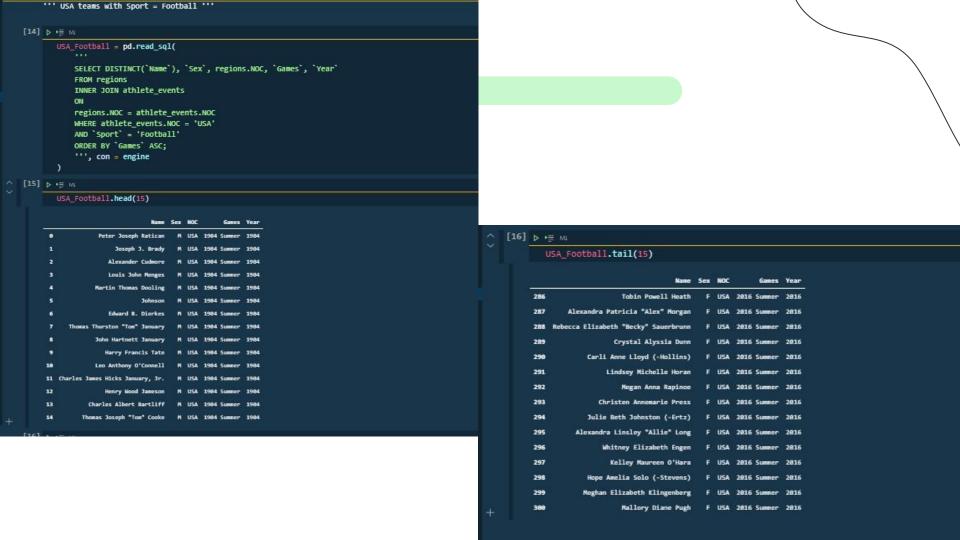
Describe the steps you took to import and clean the data.

- For importing the data, I used pandas to read the CSV files.
- Used in-build pandas to_sql() to store it in MySQL dataset.
- Since the dataset has NaN values, I didn't clean it, because that would be a falsification of data!

Perform initial exploration of data and provide some screenshots or display some stats of the data you are looking at.

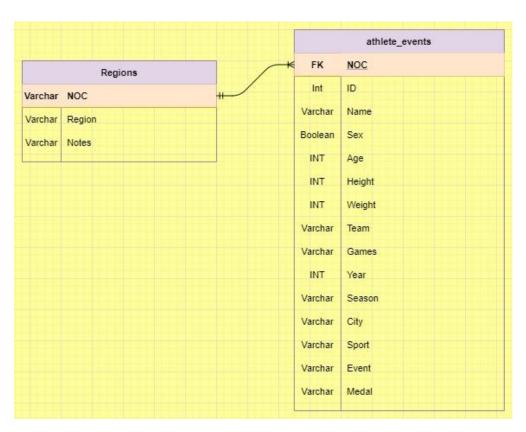






```
"" Gender Visualization ""
   [17] Þ ₩ MI
            Gender = pd.read_sql(
                SELECT 'Sex', COUNT('Sex') AS 'Gender'
                FROM athlete_events
                GROUP BY 'Sex';
                "", con = engine
(27) D +∃ MI fig = fig.s
            fig = px.bar(Gender, x = 'Sex', y = 'Gender', color = 'Gender')
            fig.show()
               200k
                                                                                 Gender
                                                                                     180k
               150k
                                                                                     160k
          Gender
                                                                                     140k
               100k
                                                                                     120k
               50k
                                                                                     100k
                                               Sex
    [-] ▶ ₩ MI
```

Create an ERD or proposed ERD to show the relationships of the data you are exploring.



Develop Project Proposal

Description

My Project targets getting past Sports patterns and analysing it. Total team medals.

Get to know more insights on the data, such as when the first event was organized and in which city/country.

This analysis will not only help Sports Coaches to identify patterns and records, but it will also help the SportsStats firm aid in their clients' decision-making.

My audience for the projects would not be limited to Coaches/Trainers but also players who will be able to see their records/performance in past events.

Questions

- When was the first season ever conducted
- How many total medals were distributed
- Age Distribution
- Which sports were in the First Game
- All of the athlete events conducted
- Which country had highest number of Players

Hypothesis

- Women have higher number of Medals
- Year > 1956 will have the Highest number of Events
- More people have participated in Football
- 3 Teams will have medals > 40
- People with Age > 40 have received medal in any of the events