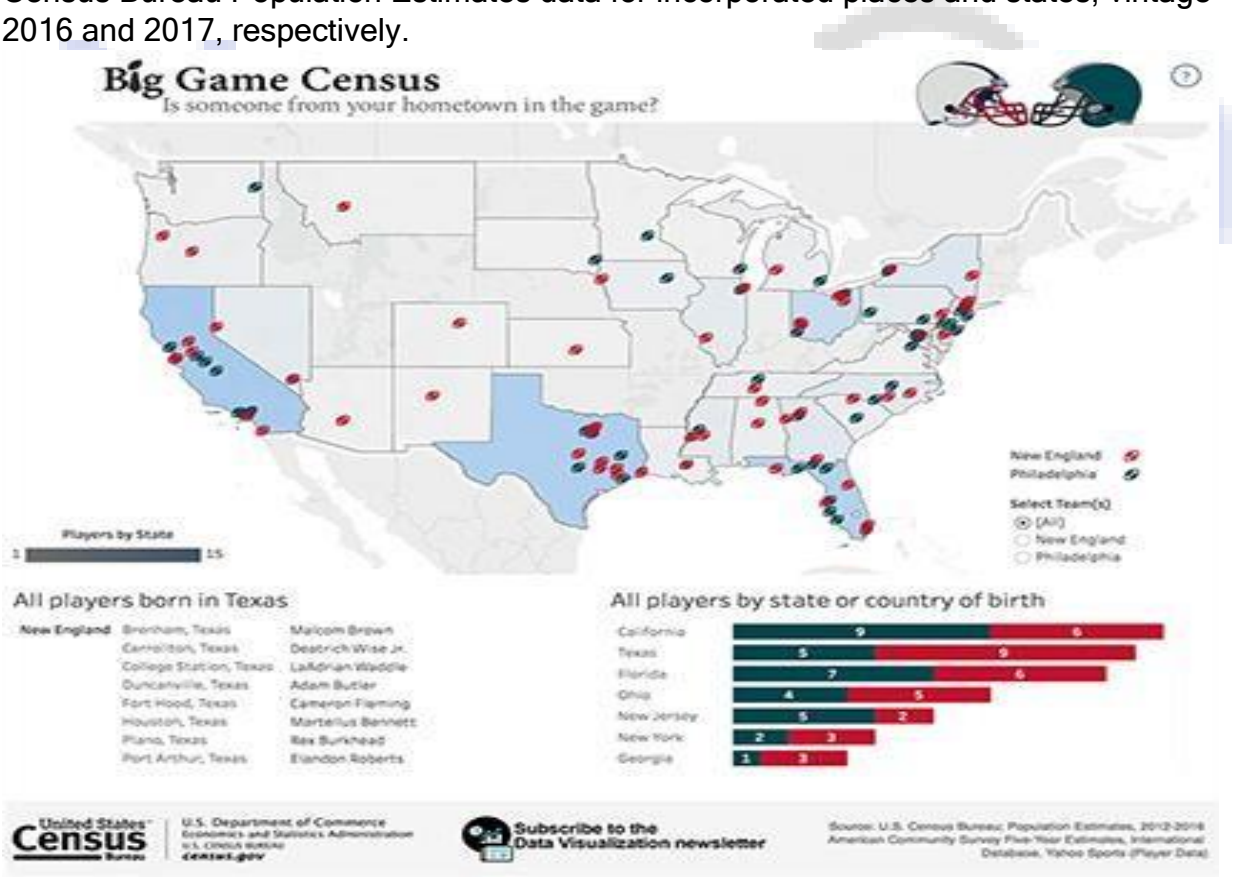
iNeuron inblog

iNeuron

Project Title	Big Game Census Data Visualization
Technologies	Business Intelligence
Domain	Business Analytics
Project Difficulties level	Advanced

Problem Statement:

The recently released Big Game Census data visualization @(https://www.census.gov/library/visualizations/interactive/big-game-census.html) includes player data (from Yahoo Sports: https://sports.yahoo.com/nfl/teams/) and U.S. Census Bureau Population Estimates data for incorporated places and states, vintage 2016 and 2017, respectively.



Build a dashboard as shown in the above screenshot.

You can play around these below mentioned objectives as well

Click here to enter text.

This Big Game Census data visualization takes a fun look at where Super Bowl 52 players come from, the related population figures, and opens up pathways (via embedded links) to additional census data points.

- The dataset came about when two hapless data nerds had their teams eliminated from the playoffs, thus turning to data to try to find more rooting interests for Super Bowl 52?
- The rosters for both, competing teams are included, with the corresponding roster information and birth place and state population information.
- The developers utilized census data pulled from census.gov, roster information from Yahoo Sports, and designed the data visualization within the Tableau platform.

How can others contribute?

Identify fun facts you've found within this data and/or data visualization, and has that swayed your rooting interest in the game?

Share your ideas for a fun data visualization involving interesting data points.

External Resources:

Big Game Census dataviz: https://www.census.gov/library/visualizations/interactive/big-game-census.html

Dataset:

Dataset is available in the given link. You can download as per your convenient.

The Big Game Census looks at Super Bowl players and their birthplaces, and gives you access to related population data

https://drive.google.com/drive/folders/17mYHZzQff56-2DEbr0ZaPGaMtp1zXhzK?usp=sharing

Approaches:

Python, R, Tableau, Power BI or you can use any tools and techniques as per your convenience. We would appreciate your valid imagination in finding solutions

Project Evaluation metrics:

Code: As per the requirements

- You are supposed to write a code in a modular fashion

- Safe: It can be used without causing harm.
- Testable: It can be tested at the code level.
- Maintainable: It can be maintained, even as your codebase grows.
- Portable: It works the same in every environment (operating system)
- You have to maintain your code on GitHub.

- Proper readme file you have to maintain for any project development.
- You should include basic workflow and execution of the entire project in the readme file on GitHub
- Follow the coding standards: https://www.python.org/dev/peps/pep-0008/

Database:

- You are supposed to use a given dataset for this project.

https://drive.google.com/drive/folders/17mYHZzQff56-2DEbr0ZaPGaMtp1zXhzK?usp=sharing

Submission requirements:

High-level Document:

You have to create a high-level document design for your project. You can reference the HLD form below the link.

Sample link:

HLD Document Link

Low-level document:

You have to create a Low-level document design for your project; you can refer to the LLD from the below link.

Sample link

LLD Document Link

Architecture: You have to create an Architecture document design for your project; you can refer to the Architecture from the below link.

Sample link

Architecture sample link

Wireframe: You have to create a Wireframe document design for your project; refer to the Wireframe from the below link.

Demo link

Wireframe Document Link

Project work:

You will have to share the Tableau Public Link of your work

You have to submit your code GitHub repo in your dashboard when the final submission of your project.

Demo link

Project code sample link :

Detail project report:

You have to create a detailed project report and submit that document as per the given sample.

Demo link

DPR sample link

Project demo video:

You have to record a project demo video for at least 5 Minutes and submit that link as per the given demo.

Demo link

Project sample link :

The project LinkedIn a post:

You have to post your project detail on LinkedIn and submit that post link in your dashboard in your respective field.

Demo link

Linkedin post sample link :