

BIG GAME CENSUS ANALYTICS

BY PREET JITENDRA JAIN

PROJECT DETAILS

Project Title	Big Game Census Analytics
Technology	Data Science
Domain	Sports
Project Difficulty Level	Advanced
Programming Language used	Python
Tools Used	Google Colab, Power BI, Excel, Canva

INTRODUCTION



PLAY

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 birthplace and state population information. The developers utilized census data pulled from census.gov, and roster information from Yahoo Sports, and designed the data visualization within the Power BI .

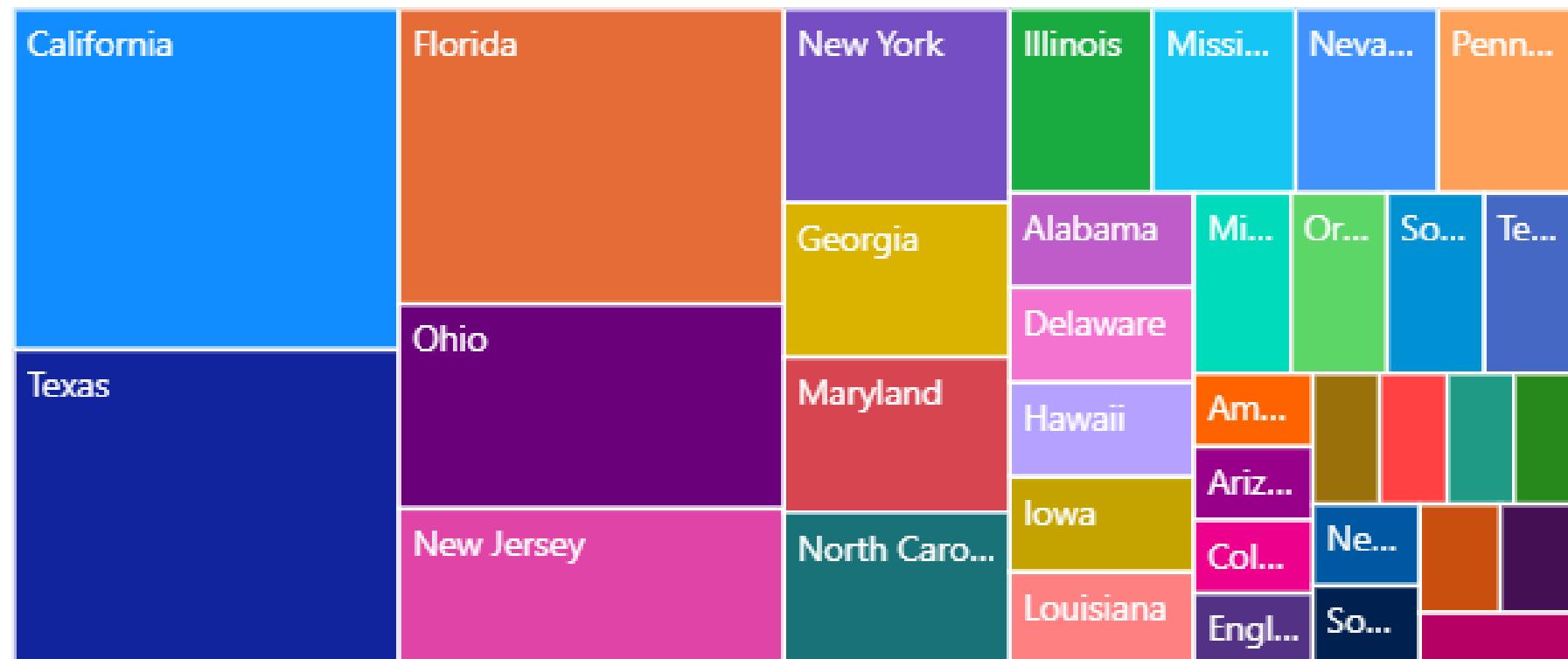
DATASET INFORMATION

- **Player Name** : Count of player's name considered.
- **Age** : average of player's age considered.
- **Player Birth State** : Birth state of the player
- **Location** : Average of latitude of player's birthplace and average of longitude of player's birthplace by their birth state considered.
- **Weight**: Avg. weight of the player is considered.
- **Position** : Position of the the player on field.
- **Team**: Name of the team of which player represents is mentioned.
- **Population Estimate** : Count of population estimates 2016 considered.

Average of Latitude (player birthplace) and Average of Longitude (player birthplace) by Player Birth State

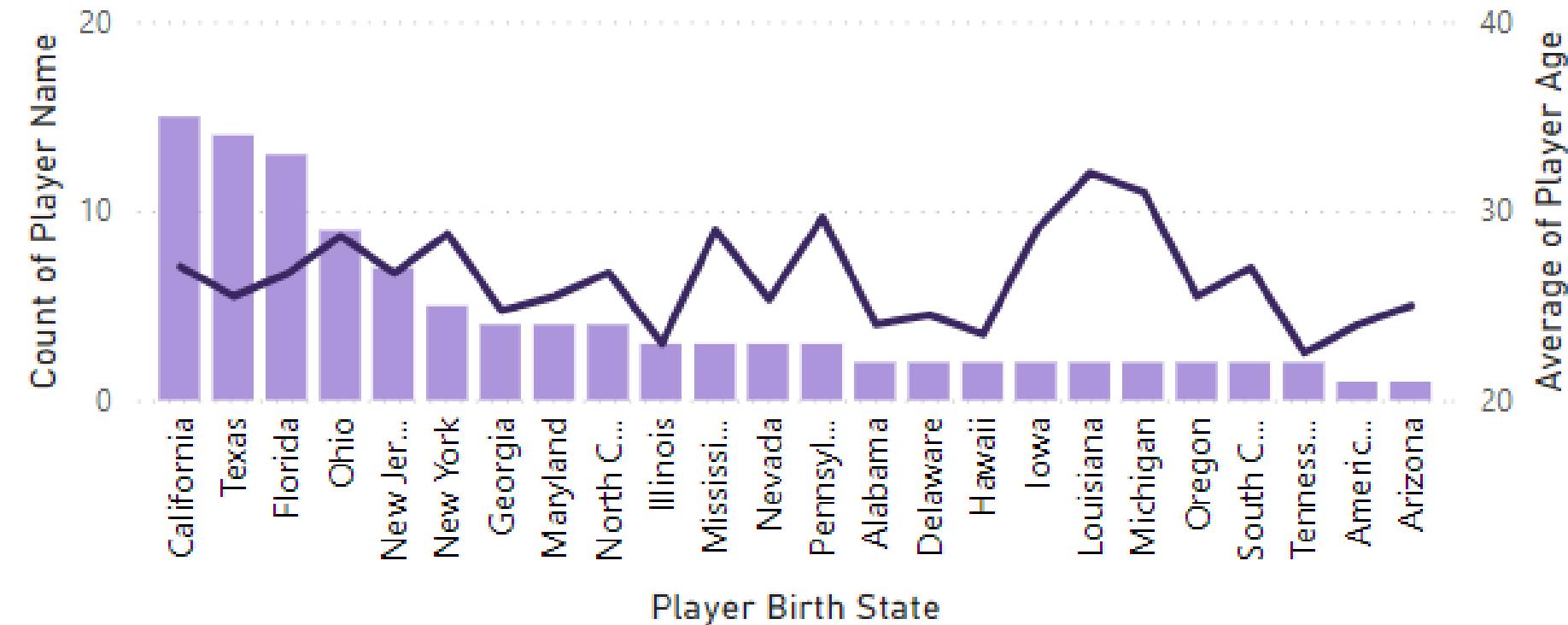


Count of 2016 Population Estimates (except where otherwise noted) by Player Birth State



Count of Player Name and Average of Player Age by Player Birth State

● Count of Player Name ● Average of Player Age



Player Team, Average of Player Age, Years Played, Average of Player Weight (lbs.)

Player Team	Average of Player Age	Years Played	Average of Player Weight (lbs.)
New England	24.50	1	217.50
New England	31.00	10	240.00
New England	33.00	11	300.00
New England	33.00	12	215.00
New England	39.00	15	242.00
New England	40.00	18	225.00
New England	24.00	2	255.00
New England	24.40	3	252.00
New England	25.33	4	232.83
New England	27.29	5	233.43
New England	27.00	6	215.20
New England	28.00	7	245.00
Total	26.72		243.88

Key Performance Indicator (KPI)

- Average of latitude of player's birthplace and average of longitude of player's birthplace by their birth state
- Count of player's name and average of player's age by their birth state
- Count of particular years of population estimates by player's birthplace
- Table/ List of player's team, age, their average weight and years they played

THANK YOU