Datasets:

* Sportsdata.io - Daniel, Dantrell, - possibly
* <https://www.kaggle.com/datasets/open-source-sports/baseball-databank> (potential data set for comparing baseball statistics-Austin)
* <https://bjs.ojp.gov/national-crime-victimization-survey-ncvs-api#n82gag>(potential crime data api)

Types of data to visualize:

* weather at stadiums
* Heat map to symbolize win:loss ratio at home field

interaction from dashboard visitor:

* categorize by team/logo
* categorize by location
* Team payroll comparison
* crime statistics around gameday
* Sort by win:loss ratio on home field?
* ~~capacity of stadium vs. crime~~
* change the pages colors to match the team when the drop down is selected
* ~~heat map chart for crime, and by another~~
* weather data
* stadium map

Dates : 2021 Season

Types of visualizations:

* heat map
* bar chart
* line chart
* gauge

Presentation:

* family that's traveling out of state and wants information for their trip
* devoted sports fan checking on their teams - OR trying to visit all NFL stadiums in their life?
* Dashboard for traveling American Football fans

**Final 3 visualizations:**

1. scores across the 2021 season - home and away line chart; team colors if possible
   1. Dual line chart
   2. Requires dropdown being keyed
   3. For loop through data to filter on team’s homes games
2. attendance vs. capacity - cluster/bar chart
   1. ETL of stadium data to bring in capacity
3. Dual data point
   1. Forecasted low and forecasted high
   2. Per game per season, x = game week, y = temp

NFL Season 2021 Game Data

'GameKey', 'SeasonType', 'Season', 'Week', 'Date', 'AwayTeam',

'HomeTeam', 'AwayScore', 'HomeScore', 'Channel', 'PointSpread',

'OverUnder', 'Quarter', 'TimeRemaining', 'Possession', 'Down',

'Distance', 'YardLine', 'YardLineTerritory', 'RedZone',

'AwayScoreQuarter1', 'AwayScoreQuarter2', 'AwayScoreQuarter3',

'AwayScoreQuarter4', 'AwayScoreOvertime', 'HomeScoreQuarter1',

'HomeScoreQuarter2', 'HomeScoreQuarter3', 'HomeScoreQuarter4',

'HomeScoreOvertime', 'HasStarted', 'IsInProgress', 'IsOver',

'Has1stQuarterStarted', 'Has2ndQuarterStarted', 'Has3rdQuarterStarted',

'Has4thQuarterStarted', 'IsOvertime', 'DownAndDistance',

'QuarterDescription', 'StadiumID', 'LastUpdated', 'GeoLat', 'GeoLong',

'ForecastTempLow', 'ForecastTempHigh', 'ForecastDescription',

'ForecastWindChill', 'ForecastWindSpeed', 'AwayTeamMoneyLine',

'HomeTeamMoneyLine', 'Canceled', 'Closed', 'LastPlay', 'Day',

'DateTime', 'AwayTeamID', 'HomeTeamID', 'GlobalGameID',

'GlobalAwayTeamID', 'GlobalHomeTeamID', 'PointSpreadAwayTeamMoneyLine',

'PointSpreadHomeTeamMoneyLine', 'ScoreID', 'Status', 'GameEndDateTime',

'HomeRotationNumber', 'AwayRotationNumber', 'NeutralVenue', 'RefereeID',

'OverPayout', 'UnderPayout', 'HomeTimeouts', 'AwayTimeouts',

'DateTimeUTC', 'Attendance', 'StadiumDetails'],

dtype='object')