Question #1:

* Create an analytically driven presentation using publicly available stats (NBA.com, BasketballReference, Spotrac, etc.) in your preferred format (PowerPoint/Word/BI Tool, Max: 5 Slides / Paragraphs) showcasing who realistic targets should be for the Pacers. Detail the Pacers needs based on current strengths/weaknesses, as well as at least one trade target or free agent and why they fit what the Pacers may need. Also choose one player that may be able to be acquired from another team that you believe is undervalued based on analytics. Include any code you used throughout your research process.

Question #2:

* Using the attached CSVs and coding language/program of your choice, create 4 plots that showcase how the Pacers perform in each of the Four Factors (eFG%, OREB%, TOV%, FTM Rate) compared to their opponent and league average on a game-to-game basis in Wins vs. Losses. Using the created plots, which factor was most important to the Pacers success (or failure)? Include any code you used.
* See example plot below:
  + A graph with red and blue dots

    Description automatically generated

Question #3:

* Using left and inner joins only, use the table structures in the attached Excel file to write mock-SQL queries based on the below questions:
  + Find the average points per game for each player in the '2022' season who currently plays for a team in the 'Western' conference. Include the player's full name and the average points.
  + Use a Common Table Expression (CTE) to calculate the total number of playoff games played by each team in the '2022' season. Display the team's full name and the total number of games played.
  + Find the player who has the highest minutes per game in the '2022' playoffs, considering players who have started at least 50% of the regular season games they played. Include the player's full name and the average minutes per game.
  + Retrieve the top 5 players with the highest average points per game in the '2022' regular season, considering only players who have played for a team in the playoffs. Include the player's full name, average points per game, and the team they are currently playing for.