DATA DOCUMENTATION

Description of the data and tables created:

The dataset was extracted from [NBA games data | Kaggle](). The dataset comprised of 5 datasets:

- games.csv : all games from the 2003 season to last update with the date, teams and some details like number of points, etc.
- games_details.csv : details of games dataset, all statistics of players for a given game
- players.csv : players details (name)
- ranking.csv : ranking of NBA given a day (split into west and east on CONFERENCE column
- teams.csv : all teams of NBA

The dataset organised into the following tables:

- Player_name_directory = A list of all players with first and last name
- Player_stats = a list of player of ids and there performance is in each across basketball performance
- Final_away_team_numbers/final_home_team_numbers = a list of team_ids and team performance across a variety of basketball metrics. This data includes regular season and playoffs.
- Team_performace = A higher level aggregation of the previous tables but in terms of wins and loses
- Who_won = A list of game_id and team_id and if the home team won
- Team_info = Teams abbreviations and the arena name and other basic demographic names

player_name_directory

PK	id (int11)
	First_Name varchar(255)
	Last_Name varchar(255) First_Name varchar(255)
	player_id(fk)(int11)
	game_id(fk)(int11)
	team_id(fk) (int11)

final_home_team_numbers

PK	id (int11)
	game_date_est (datetime)
	home_game_id(fk) (int11)
	home_team_id(fk) (int11)
	HOME_TEAM_WINS
	PTS_home (int11)
	fg_pct_home (float)
	season (int11)
	REB_home (int11)
	AST_home (int11)
	ft_pct_home (float)
	FG3_PCT_home (float)

team_info

PK	id (int11)
	team_info_id(fk) (int11)
	Abbrev (varchar(255))
	yearfounded (datetime)
	city (varchar255)
	arena (varchar255)

who_won

PK	id (int11)
	game_id (int11)(fk)
	game_date (datetime)
	home_team_wins (int11)

player_stats

PK	id (int11)
	player_stats_id(fk) (int11)
	player_team_id(fk) (int11)
	game_id(fk) (int11)
	stl (int11)
	blk (int11)
	pts (int11)
	plus_minus (int11)
	dreb (int11)
	oreb (int11)
	fga (int11)
	fgm (int11)
	pf (int11)
	fta (int11)
	ftm (int11)
	fg3a (int11)
	pf (int11)
	to (int11)
	ast (int11)
	fg3a (int11)
	fg3b (int11)

final_team_away_numbers

PK	id (int11)
	game_date_est (datetime)
	away_game_id(fk) (int11)
	visitor_team_id(fk) (int11)
	home_team_wins
	season (int11)
	PTS_away (int11)
	ast_away (int11)
	reb_away (int11)
	fg_pct_away (float)
	fg3_pct_away (float)
	ft_pct_away (float)

team_performance_stats

PK	id
	season
	W
	L
	team_performance_id(fk)
	W_PCT
	conference
	G
	standing_date