

DATA PROVIDED

During the regular season, each of the 28 NSL teams plays a total of 34 games: 476 games

Game summary fields

Field	Description	Ex1	Ex2
game_id	Unique game ID	game_2023_13	game_2023_75
HomeTeam	Home team city code	SJ	HOU
AwayTeam	Away team city code	ATX	DAL
HomeScore	Total Goals for home team	2	2
AwayScore	Total Goals for away team	2	2
Home_xG	xG total for home team, expected goals for shots	2.50	2.42
Away_xG	xG total for away team, expected goals for shots	1.76	1.73
Home_shots	shots total for home team	17	19
Away_shot	shots total for away team	9	13
Home_PK_shots	Penalty kicks awarded to home team	0	0
Away_PK_shots	Penalty kicks awarded to away team	1	0
Home_PK_goal	Goals from Penalty kicks by home team	0	0
Away_PK_goal	Goals from Penalty kicks by away team	0	0
Home_Corner	Corner kick awarded to home team	5	6
Away_Corner	Corner kick awarded to away team	3	5
Home_ToP	Time of possession of HomeTeam (fraction of total)	0.53	0.48

Team fields

Field	Description	Ex1	Ex2
name	Full name of team	Augusta Arrows FC	Charleston Mariners FC
city	Home City of team	Augusta	Charleston
state	Home state of team	Georgia	South Carolina
Team_ID	3-letter team name	AUG	CHM
conference	NASL conference of team	Eastern	Eastern
timezone_UTC	Time zone of home stadium	-4	-4

MODEL TO GENERATE SYNTHETIC SEASON

As stats are game summary stats with no temporal information, all games are 90 min with no OT or shot outs.

Schedule adjusted neutral site power rating:

Attack Quality

- $xG_{At} = xG$ of attack

Defense Quality

- $xG_{Def} = xG$ of defense

Goalie Quality

- $XxG =$ goals conceded in excess of expected

Home Team predicted $xG = \text{mean}(xG_{At}^H, xG_{Df}^A) + XxG^A + HFA$

$HFA = HFA_{\text{no travel}} + f(TZ_H - TZ_A) + (CO)$

Home Team predicted xG final = + pK

From predicted goals for each team, two Poisson distributions, to probabilities of match results.

