

## 1. Index

- **Generated from:** Typically automatically generated as a unique identifier for each row of data in the dataset.
- **Explanation:** The index acts as a unique identifier for each row, representing a specific record (e.g., a specific player's match performance).

## 2. Player

- **Generated from:** The player's name is directly taken from the dataset.
- **Explanation:** The name of the player whose data is being recorded.

## 3. # (Jersey Number)

- **Generated from:** The player's jersey number is recorded from the dataset.
- **Explanation:** The player's jersey number on the field.

## 4. Nation

- **Generated from:** The country the player represents is recorded from the dataset.
- **Explanation:** The player's nationality or country of representation.

## 5. Pos (Position)

- **Generated from:** The position in which the player plays (e.g., Forward, Midfielder, Defender, Goalkeeper).
- **Explanation:** The player's position on the field.

## 6. Age

- **Generated from:** The player's age, usually calculated based on the player's birthdate.
- **Explanation:** The player's age.

## 7. Min (Minutes Played)

- **Generated from:** The total number of minutes the player played during the match.
- **Explanation:** The total number of minutes the player was on the field.

## 8. GlS (Goals Scored)

- **Generated from:** The total number of goals scored by the player during the match.
- **Explanation:** The number of goals the player scored in the match.

9. Ast (Assists)

- **Generated from:** The number of assists the player provided during the match.
- **Explanation:** The number of assists (passes leading to goals) the player made.

10. PK (Penalty Goals)

- **Generated from:** The number of goals scored from penalties.
- **Explanation:** The goals scored from penalty kicks.

11. PKatt (Penalty Kick Attempts)

- **Generated from:** The number of penalty kicks the player attempted during the match.
- **Explanation:** The total number of penalties the player tried to take.

12. Sh (Shots Taken)

- **Generated from:** The total number of shots the player attempted.
- **Explanation:** The total number of shots on goal taken by the player during the match.

13. SoT (Shots on Target)

- **Generated from:** The number of shots on target the player took.
- **Explanation:** The number of shots that were on target, meaning they would have scored if not blocked or saved.

14. CrdY (Yellow Cards)

- **Generated from:** The number of yellow cards the player received.
- **Explanation:** The total yellow cards issued to the player during the match.

15. CrdR (Red Cards)

- **Generated from:** The number of red cards the player received.
- **Explanation:** The total number of red cards the player was issued during the match.

16. Touches

- **Generated from:** The total number of times the player touched the ball.
- **Explanation:** The number of times the player made contact with the ball during the match.

#### 17. Tkl (Tackles)

- **Generated from:** The number of tackles the player made.
- **Explanation:** The total number of successful tackles the player completed.

#### 18. Int (Interceptions)

- **Generated from:** The number of interceptions the player made.
- **Explanation:** The number of times the player intercepted the ball from an opponent.

#### 19. Blocks

- **Generated from:** The number of shots or passes blocked by the player.
- **Explanation:** The total number of defensive actions where the player blocked the ball to prevent a goal or assist.

#### 20. xG (Expected Goals)

- **Generated from:** A statistical model that calculates the probability of a shot resulting in a goal, based on factors like shot location, angle, and type.
- **Explanation:** The expected goals value, which represents the quality of chances created by the player.

#### 21. npxG (Non-Penalty Expected Goals)

- **Generated from:** Similar to xG but excluding penalties.
- **Explanation:** The expected goals without considering penalty kicks.

#### 22. xAG (Expected Assists)

- **Generated from:** A statistical model that calculates the probability that a player's pass leads to a goal, based on factors like pass type, distance, and positioning.
- **Explanation:** The expected assists, which represents the likelihood of a player's pass leading to a goal.

#### 23. SCA (Shot-Creating Actions)

- **Generated from:** The number of actions (passes, dribbles, etc.) that lead to a shot being taken.
- **Explanation:** A count of the actions a player made that directly led to a shot on goal.

#### 24. GCA (Goal-Creating Actions)

- **Generated from:** The number of actions that directly lead to a goal being scored.
- **Explanation:** A count of the actions a player made that directly contributed to a goal being scored.

#### 25. Cmp\_x (Completed Passes)

- **Generated from:** The total number of successful passes made by the player.
- **Explanation:** The number of passes successfully completed by the player.

#### 26. Att\_x (Attempted Passes)

- **Generated from:** The total number of passes attempted by the player.
- **Explanation:** The total number of passes made by the player, regardless of whether they were successful.

#### \*\*27. Cmp%\_x (Pass Completion %)\*\*

- **Generated from:** The percentage of passes completed successfully out of all attempted passes.
- **Explanation:** The pass completion percentage, calculated as  $(\text{Cmp\_x} / \text{Att\_x}) * 100$ .

#### 28. PrgP (Progressive Passes)

- **Generated from:** Passes that move the ball significantly forward, typically by a set number of yards.
- **Explanation:** The number of passes that significantly advance the ball towards the opponent's goal.

#### 29. Carries

- **Generated from:** The number of times the player carried the ball forward.
- **Explanation:** The total number of times the player carried the ball to gain ground.

#### 30. PrgC (Progressive Carries)

- **Generated from:** Carries that move the ball significantly forward.
- **Explanation:** The number of times the player moved the ball forward significantly with their dribbles.

**31. Att\_x (Dribbles Attempted)**

- **Generated from:** The number of times the player attempted a dribble.
- **Explanation:** The number of dribbles attempted by the player.

**32. Succ (Dribbles Successful)**

- **Generated from:** The number of successful dribbles by the player.
- **Explanation:** The number of dribbles that successfully beat an opponent.

**33. SoTA (Shots on Target Against)**

- **Generated from:** The number of shots on target faced by the goalkeeper.
- **Explanation:** The number of shots on target the goalkeeper has faced.

**34. GA (Goals Against)**

- **Generated from:** The number of goals the goalkeeper has conceded.
- **Explanation:** The total goals the goalkeeper has conceded during the match.

**35. Saves**

- **Generated from:** The total number of saves made by the goalkeeper.
- **Explanation:** The total number of shots that the goalkeeper successfully saved.

**36. Save% (Save Percentage)**

- **Generated from:** The percentage of shots saved by the goalkeeper.
- **Explanation:** The save percentage, calculated as  $(\text{Saves} / (\text{Shots on Target})) * 100$ .

**37. PSxG (Post-Shot Expected Goals)**

- **Generated from:** A measure of the quality of a goalkeeper's saves based on shot placement.
- **Explanation:** Expected goals value based on the location and quality of the shots faced by the goalkeeper.

**38. Cmp\_y (Completed Goalkeeper Passes)**

- **Generated from:** The number of successful passes made by the goalkeeper.
- **Explanation:** The total number of passes successfully completed by the goalkeeper.

**39. Att\_y (Attempted Goalkeeper Passes)**

- **Generated from:** The total number of passes attempted by the goalkeeper.
- **Explanation:** The total number of passes attempted by the goalkeeper.

**\*\*40. Cmp%\_y (Goalkeeper Pass Completion %)\*\***

- **Generated from:** The pass completion percentage for the goalkeeper.
- **Explanation:** The percentage of successful passes out of all passes attempted by the goalkeeper.

**41. Att (GK) (Goal Kicks Attempted)**

- **Generated from:** The number of goal kicks attempted by the goalkeeper.
- **Explanation:** The total number of goal kicks taken by the goalkeeper.

**42. Thr (Goalkeeper Throws)**

- **Generated from:** The total number of throws made by the goalkeeper.
- **Explanation:** The total number of throws made by the goalkeeper to restart play.

**43. Launch% (Goalkeeper Launch Percentage)**

- **Generated from:** The percentage of long passes attempted by the goalkeeper.
- **Explanation:** The percentage of passes from the goalkeeper that are long, typically aiming to distribute the ball quickly.

**44. AvgLen (Average Pass Length)**

- **Generated from:** The average distance covered by passes made by the player or goalkeeper.
- **Explanation:** The average length of passes made.

**45. Opp (Opponent Pressures)**

- **Generated from:** The number of times the opponent put pressure on the player.
- **Explanation:** The total number of times the opponent applied defensive pressure.

**46. Stp (Successful Pressures)**

- **Generated from:** The number of successful defensive pressures applied by the player.

- **Explanation:** The number of times the player successfully pressured an opponent into losing possession.

#### 47. Stp% (Successful Pressure %)

- **Generated from:** The percentage of successful pressures made by the player.
- **Explanation:** The percentage of successful pressures, calculated as  $(\text{Stp} / \text{Opp}) * 100$ .

#### 48. #OPA (Opponent Offensive Actions)

- **Generated from:** The number of offensive actions made by the opponent.
- **Explanation:** The total number of offensive actions (e.g., dribbles, passes) made by the opponent.

#### 49. AvgDist (Average Distance Covered)

- **Generated from:** The average distance covered by the player during the match.
- **Explanation:** The average distance the player ran during the game.

#### 50. Home

- **Generated from:** A manually added column indicating if the game is a home game.
- **Explanation:** A flag indicating whether the player's team is playing at home (usually 1 for home and 0 for away).

#### 51. Game\_id

- **Generated from:** A unique identifier for the game, likely assigned by the code.
- **Explanation:** A unique identifier for the match in question.