**POST MATCH ANALYSIS METRICS**

A **post-match analysis report** in football (soccer) typically includes various metrics to evaluate team performance, individual contributions, and overall match dynamics. Here's a breakdown of the **basic metrics** you should include, categorized by teams, players, and key events:

**1. Team Metrics**

These provide an overview of each team's performance and style of play.

* **Possession**:
  + Percentage of ball possession for each team.
* **Shots**:
  + Total shots.
  + Shots on target.
  + Shots blocked.
  + Shot conversion rate (goals/shots).
* **Expected Goals (xG)**:
  + Sum of xG values for all shots.
  + Indicates the quality of chances created.
* **Passing**:
  + Total passes.
  + Pass accuracy (% successful passes).
  + Key passes (leading to goal-scoring opportunities).
* **Defensive Actions**:
  + Tackles won.
  + Interceptions.
  + Clearances.
  + Blocks (shots and crosses).
* **Set Pieces**:
  + Goals scored from corners, free kicks, and penalties.
* **Discipline**:
  + Fouls committed.
  + Yellow and red cards.
* **Duels**:
  + Total duels contested.
  + Duel win percentage.

**2. Player Metrics**

These highlight individual contributions to the match.

Minutes played, age, form?, injuries if any

Strength and weakness

Complicated visuals only to prove your point, don’t put it everywhere unnecessarily

Evidence-Led Insights  
→ Stats, clips, pattern recognition  
→ Don’t just say it, show it

* **Attacking**:
  + Goals scored.
  + Assists.
  + Shots and shots on target.
  + Expected Goals (xG) and Expected Assists (xA).
  + Successful dribbles (%).
* **Passing**:
  + Total passes completed.
  + Key passes.
  + Passing accuracy.
* **Defensive**:
  + Tackles won.
  + Interceptions.
  + Clearances.
  + Defensive duels won (%).
* **Goalkeeping (if applicable)**:
  + Saves made.
  + Save percentage.
  + Goals conceded.
  + Clean sheet (yes/no).
* **Off-ball Movement**:
  + Sprints.
  + Distance covered (km).
  + Progressive runs.

**3. Key Event Metrics**

These focus on significant events that influenced the match outcome.

* **Goals and Assists**:
  + Scorer and assist provider for each goal.
  + Method of goal (open play, set piece, penalty).
* **Big Chances**:
  + Created.
  + Missed.
* **Turnovers**:
  + Ball losses.
  + Recoveries.
* **Set-Piece Analysis**:
  + Number of corners and free kicks won.
  + Efficiency (e.g., goals scored from set-pieces).
* **Errors**:
  + Errors leading to goals or chances.

**4. Tactical Metrics**

These help understand team strategy and execution.

* **Formation**:
  + Starting formation and in-game adjustments.
* **Pressing**:
  + Pressing efficiency (% of successful high-press attempts).
  + PPDA (Passes Per Defensive Action) to measure pressing intensity.
* **Build-Up Play**:
  + Number of progressive passes (passes moving significantly forward).
  + Pass chains (sequences of uninterrupted passes).
  + Zone entries (entries into the final third or penalty area).
* **Heat Maps**:
  + Team heat maps for ball activity.
  + Individual heat maps for player positioning.

**5. Advanced Metrics (Optional for Basic Reports)**

For deeper insights, include:

* **Expected Threat (xT)**:
  + Measures the increase in scoring likelihood from passes or carries.
* **Packing**:
  + Number of opponents bypassed by passes or dribbles.
* **Ball Progression**:
  + Progressive passes and carries.
* **Transition Play**:
  + Efficiency of counterattacks.
  + Time to regain possession after losing it.

**Visualizations**

* **Graphs and Charts**:
  + Possession bar chart.
  + Shot maps (including xG values).
  + Pass networks.
  + Heat maps for player movement.
* **Timelines**:
  + Key events over time (e.g., goals, cards).
* **Tables**:
  + Player stats summary.

**Conclusion/Insights**

End the report with:

* A summary of key moments that influenced the result.
* Tactical insights or observations.
* Suggestions for improvement or standout performances.

This structure balances basic metrics with the depth needed for actionable insights. Let me know if you'd like an example template or code for automating these analyses!

**POST MATCH ANALYSIS INSIGHTS**

The metrics in a post-match analysis provide a wealth of insights about team and player performance, tactical execution, and areas for improvement. Here are some **key insights** you can derive using the listed metrics:

**1. Team Insights**

**Possession and Passing:**

* **Dominance**: High possession and pass accuracy indicate control over the game.
* **Playing Style**:
  + Short, high-accuracy passes suggest a possession-based approach.
  + Low accuracy with long passes indicates a direct or counter-attacking style.
* **Weak Links**: Low pass accuracy for certain players or zones may highlight areas where possession was lost frequently.

**Attacking Performance:**

* **Finishing Efficiency**: Compare the number of goals scored to total shots and expected goals (xG) to identify whether the team is clinical or wasteful in front of goal.
* **Chance Creation**:
  + High xG with few goals may suggest poor finishing.
  + Low xG and few shots may indicate a lack of creativity.
* **Set Piece Threat**: Goals and chances created from corners, free kicks, and penalties can highlight set-piece effectiveness.

**Defensive Stability:**

* **Resilience Under Pressure**:
  + High interceptions, tackles, and clearances may indicate effective defense but also a team that was under sustained pressure.
* **Weaknesses in Duels**: A low duel win percentage may point to physical or tactical shortcomings.
* **Errors**: Mistakes leading to chances or goals reveal specific vulnerabilities.

**Transition Play:**

* **Counterattacking Strength**: Quick progression metrics (progressive passes/carries) and chances created from turnovers show effectiveness on the break.
* **Pressing Efficiency**: High pressing success or low PPDA reflects the ability to disrupt the opposition.

**Tactical Insights:**

* **Heat Maps**: Reveal whether the team effectively utilized certain zones of the pitch.
* **Final Third Entries**: Indicate whether the team successfully advanced the ball into dangerous areas.

**2. Player Insights**

**Attackers:**

* **Goal Scoring**:
  + Players with high xG but few goals may lack finishing sharpness.
  + Players with goals but low xG demonstrate efficiency or moments of brilliance.
* **Creativity**:
  + Key passes and assists highlight players who drive the team’s attack.
  + Expected Assists (xA) measures the quality of chances they create.

**Midfielders:**

* **Ball Progression**:
  + High progressive passes/carries show players who link defense to attack effectively.
  + Zone entries and passing maps reveal players controlling specific areas.
* **Defensive Workrate**:
  + Tackles, interceptions, and recoveries highlight contributions to breaking opposition play.

**Defenders:**

* **Aerial and Ground Duels**:
  + High duel success indicates dominance in defensive situations.
* **Clearances and Blocks**:
  + Reveal contributions in high-pressure situations, such as defending against crosses or shots.

**Goalkeepers:**

* **Shot-Stopping**:
  + Save percentage and xG prevented (difference between xG faced and goals conceded) measure efficiency.
* **Distribution**:
  + Accurate long balls or throws show the goalkeeper’s role in starting attacks.

**3. Tactical Insights**

**Formation and Role Execution:**

* Heat maps and pass networks show whether players adhered to their roles and the team's formation.
* Unbalanced activity on one side of the pitch may indicate overreliance or opposition targeting.

**Set Piece Analysis:**

* High success from set pieces indicates strong preparation or quality delivery.
* Ineffective set pieces highlight the need for tactical adjustments.

**Game Phases:**

* **In Possession**:
  + Passing patterns, possession duration, and xG indicate attacking efficiency.
* **Out of Possession**:
  + High pressing success shows defensive discipline and strategy.

**Momentum:**

* Event timelines help identify dominant phases for each team, such as periods of sustained pressure or defensive vulnerability.

**4. Match Context Insights**

* **Key Moments**:
  + Goals, big chances, and cards can shift momentum; understanding their impact helps evaluate performance.
* **Game Management**:
  + Teams controlling possession late in the game may show good game management to secure results.
* **Impact of Substitutes**:
  + Metrics like shots, passes, or xG after substitutions reveal whether tactical changes worked.

**5. Improvement Areas**

* **Missed Opportunities**:
  + A high number of shots but low goals highlights finishing issues.
  + Poor key pass or xA numbers indicate a lack of creativity.
* **Defensive Weaknesses**:
  + Frequent turnovers or low duel success suggest areas for defensive improvement.
* **Fitness and Stamina**:
  + Distance covered and late-game pressing efficiency reveal physical conditioning levels.

**Conclusion**

By analyzing these metrics, you can gain actionable insights such as:

* **Team’s Tactical Success**: Did the strategy work as intended?
* **Player Roles and Performance**: Who stood out and who struggled?
* **Strengths and Weaknesses**: What worked well, and what needs improvement?

These insights not only help in understanding the match but also inform training sessions, tactical planning, and recruitment strategies. Let me know if you want specific visualization ideas or code for automating these insights!