

# ***New York Red Bulls Data Science Test***

---

Isaac Torine - Indiana University 2026



# *Game Overview*

---



**0 - 4**

**March 23<sup>rd</sup>, 2024**



- Red Bulls win 4-0 in dominating fashion. Controlling the middle of the field through pace of play, applying strategic pressure on defense, and playing fast and together to open offensive opportunities.
  - Lewis Morgan scores hat trick

# *Table of Contents*

**1**

**Game Overview**

**2**

**Offensive Execution**

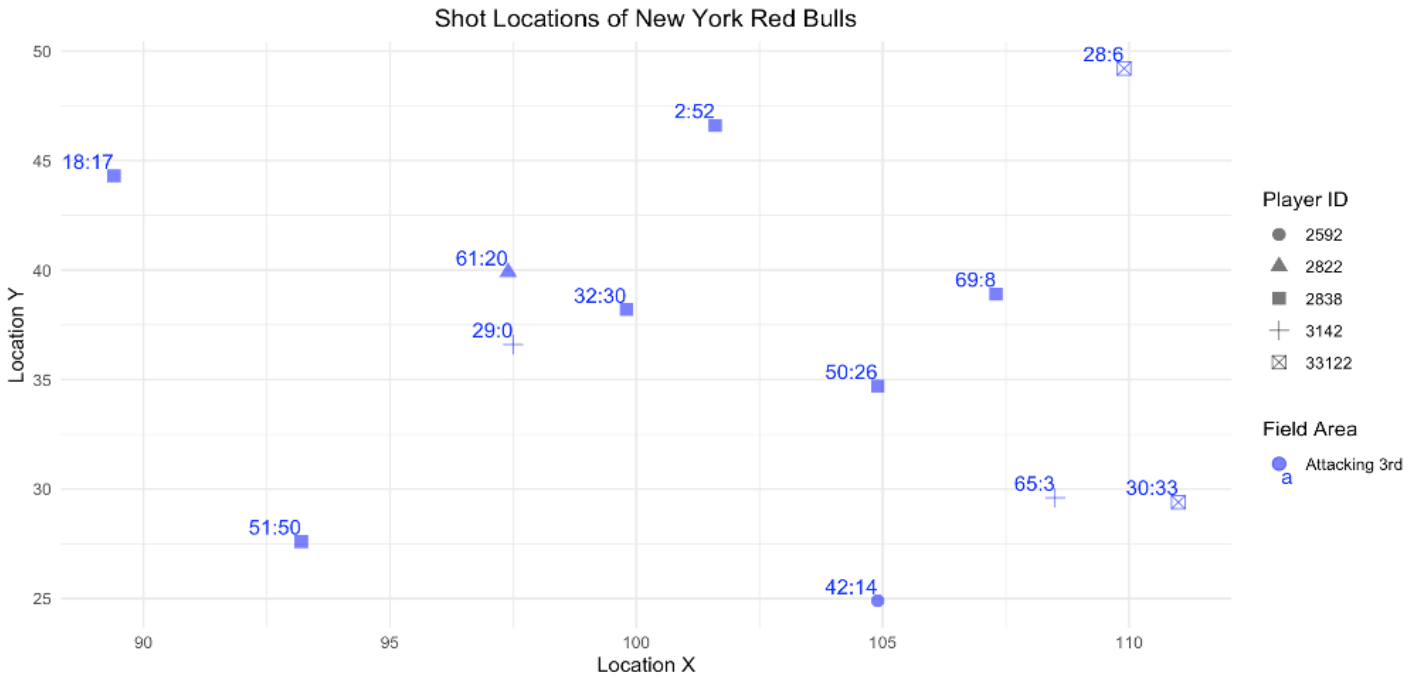
**3**

**Defensive Tactics**

**4**

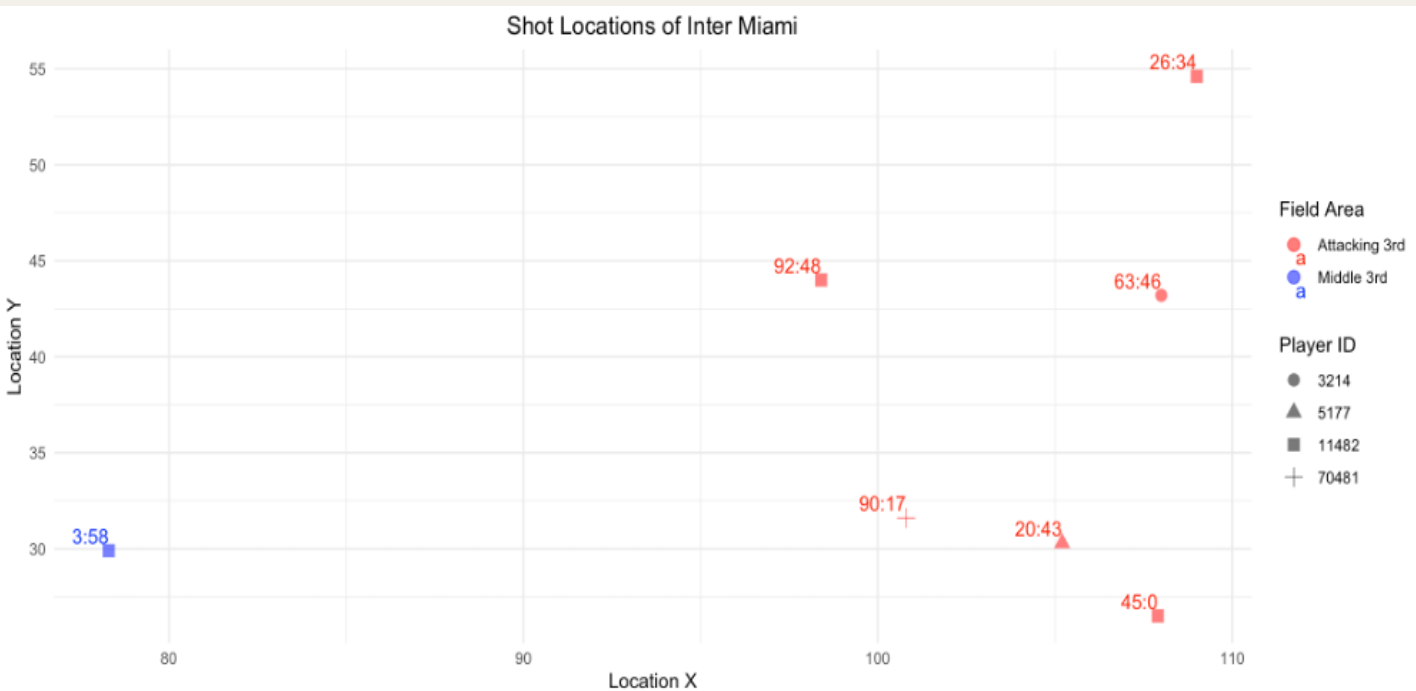
**Overall Story**





# Offensive Execution I: Shots on Goal

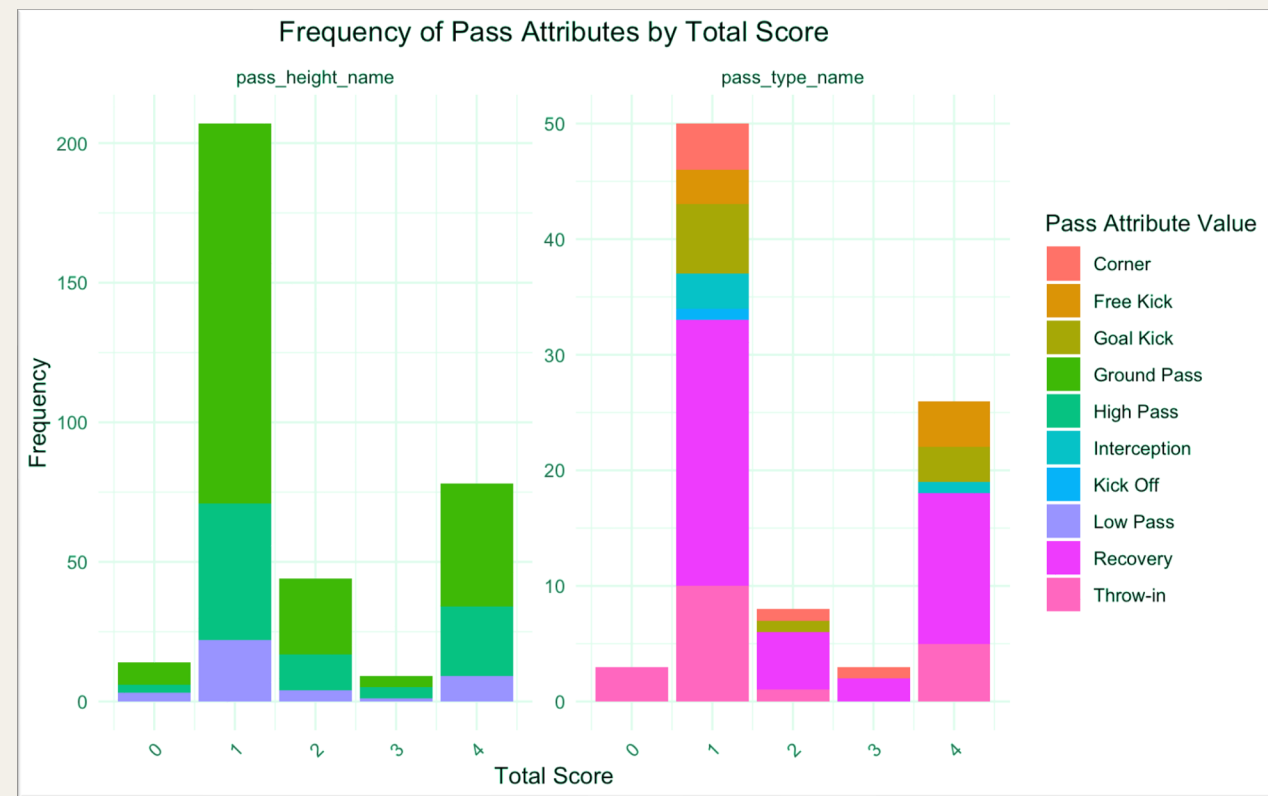
- Red Bulls took nearly twice as many shots on goal as Inter Miami. With half their shots coming from one player.
- Distribution of where the Red Bulls took shots is far more significant than Inter Miami.
- Majority of Red Bulls shots came before 55<sup>th</sup> minute allowing them to get out to an early lead.



# Offensive Execution

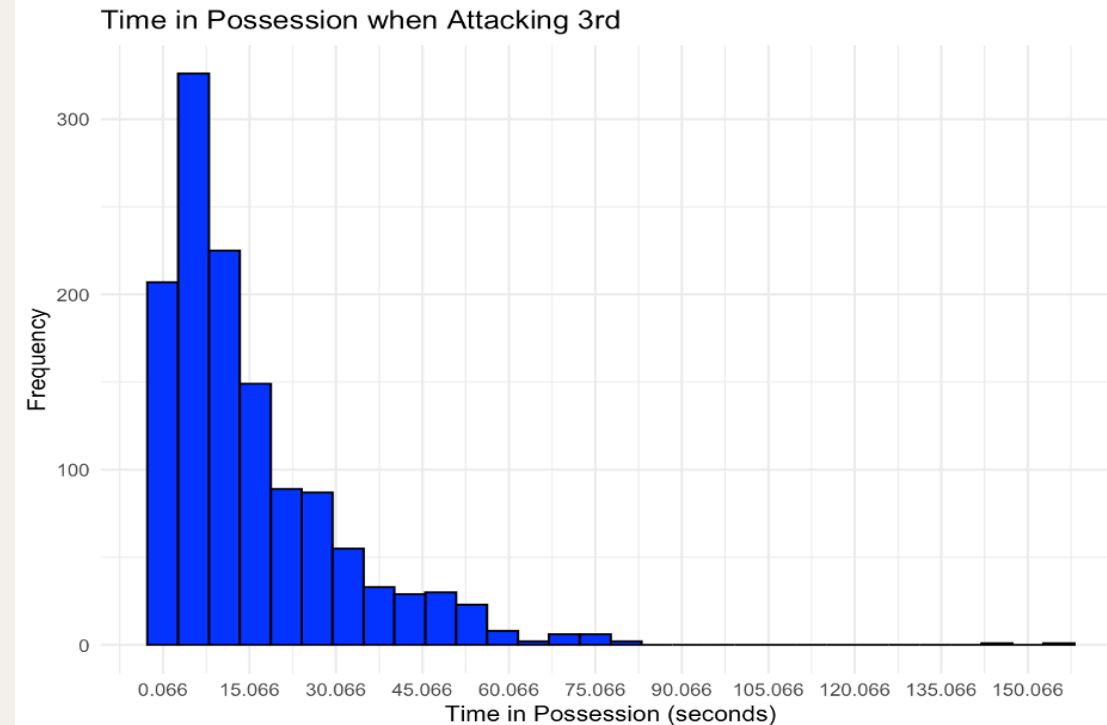
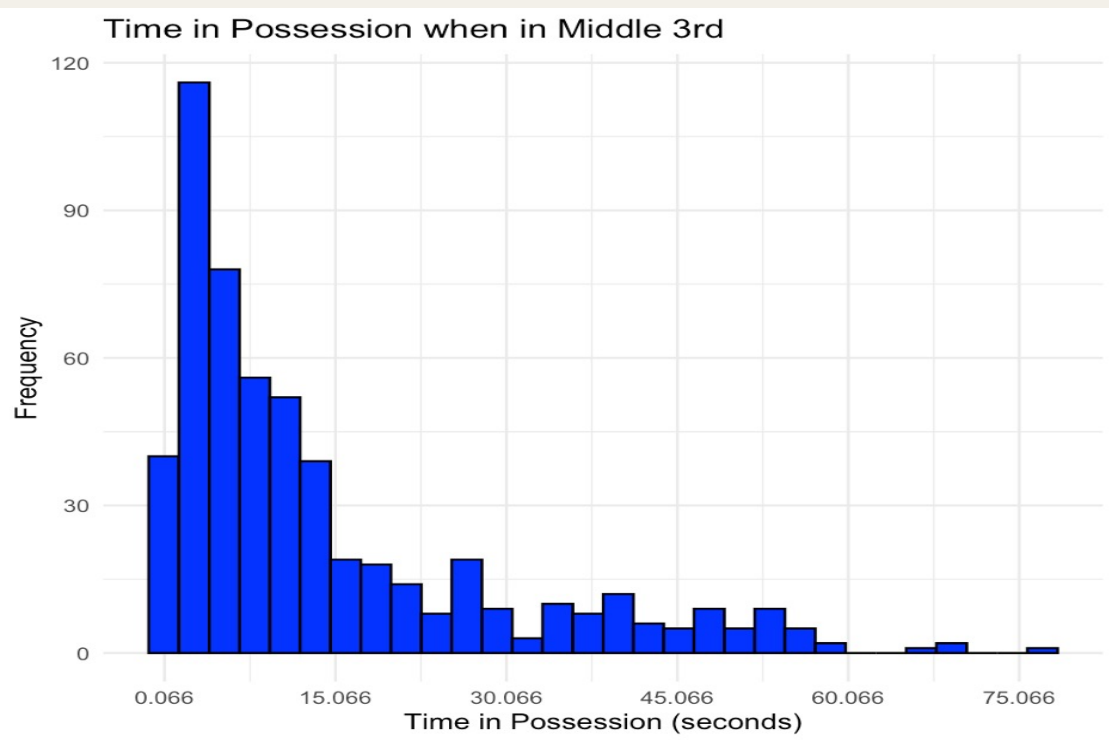
## II: Passing Attributes

- Red Bulls were able to maintain a significant lead by staying consistent in the passing game throughout. Avoiding laziness as the lead increased.
- The first graph presents "Ground Pass" being the most frequent. Indicating the Red Bulls strategic choice for keeping the ball low during passes throughout the game.

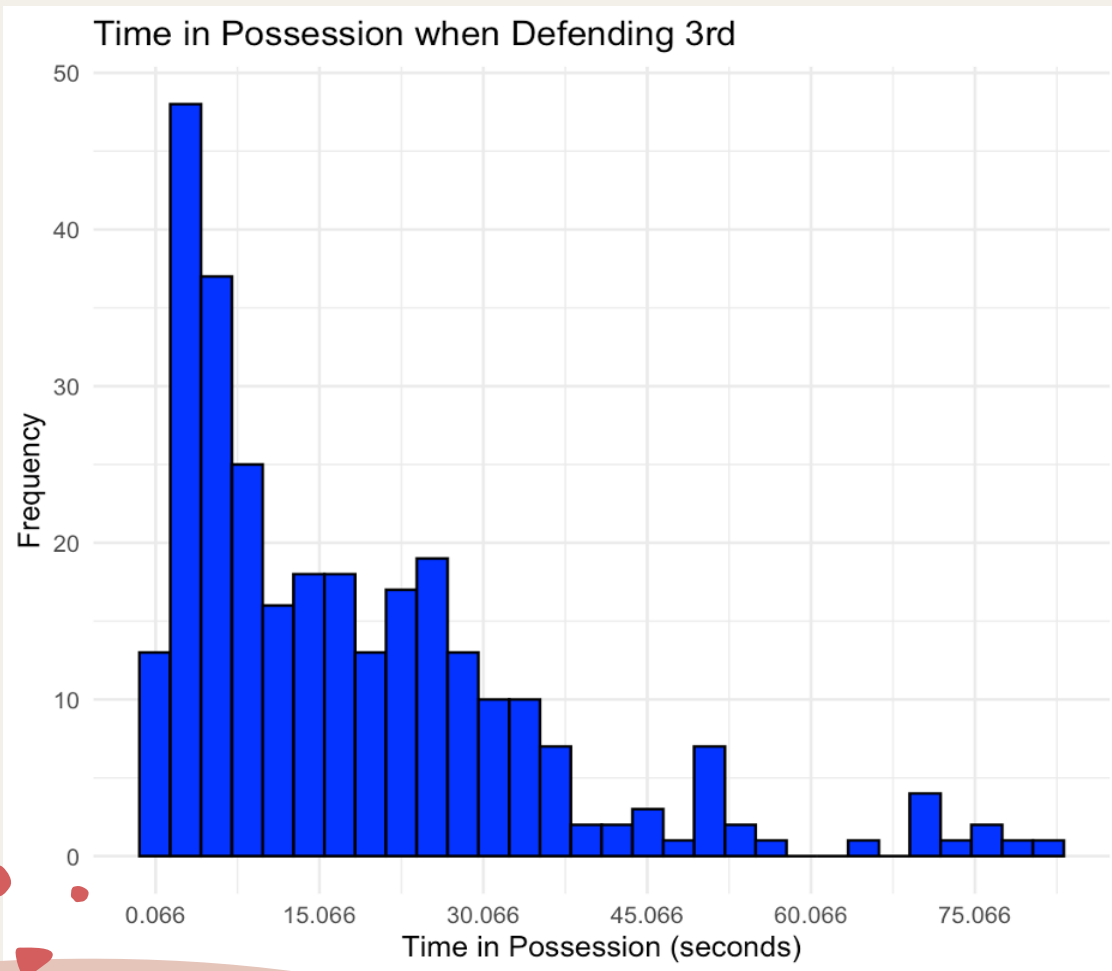


# Offensive Execution III: Time In Possession (Per Area)

\_\_\_\_\_



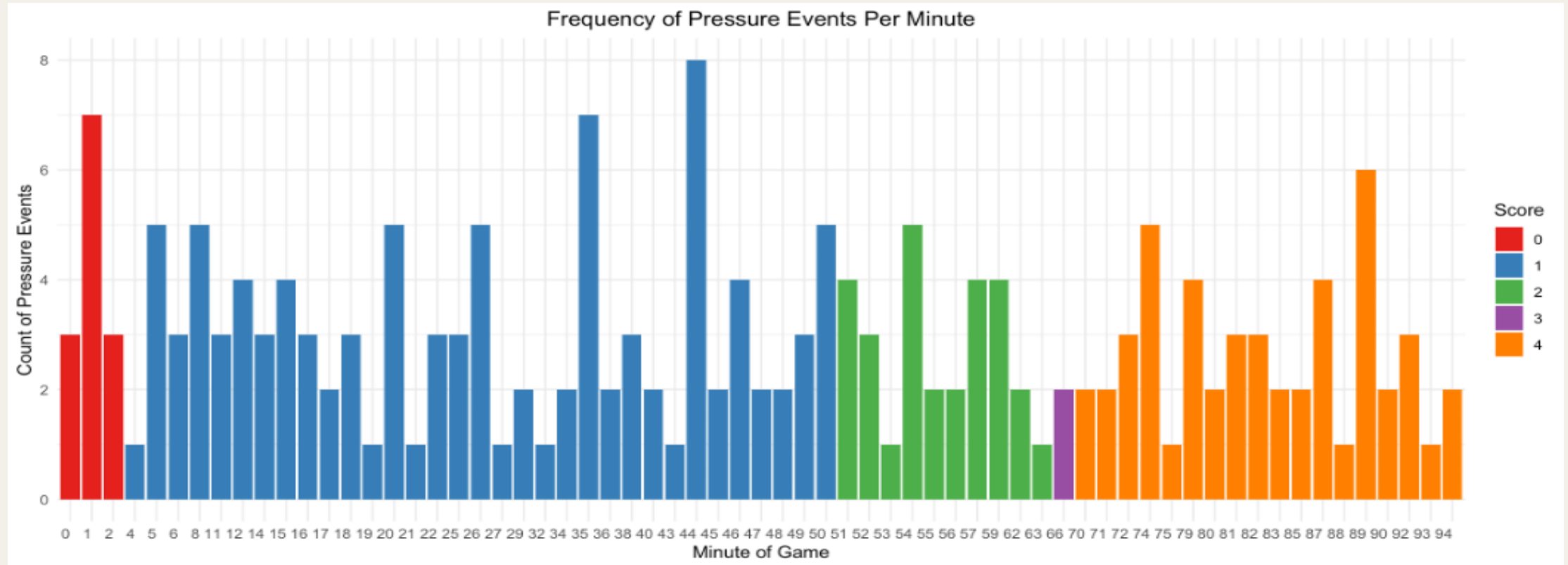
- The Red Bulls showcased a strategy of rapid and effective possession, particularly when advancing towards scoring opportunities. This approach contributed significantly to their ability to maintain control and pressure in crucial moments of the game.
- Leveraging their quick possessions in the attacking third area, the Red Bulls were able to capitalize on these moments, extending their lead to as much as four goals.



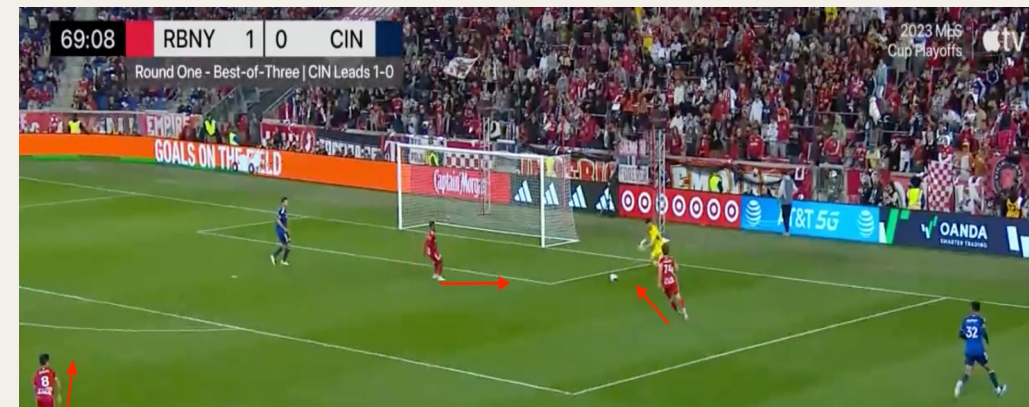
## *Time in Possession (Per Area) Cont.*

- Suggests that the Red Bulls are quick to clear the ball from their defensive zone, minimizing the risk of conceding goals and facilitating fast transitions to offense.
- By limiting the duration of possession in their defensive third, the Red Bulls reduce the pressure on their defense and increase their overall control of the game. This control allows them to focus on maintaining possession in more advantageous areas of the field, like the attacking third.

# Defensive Tactics I: Pressure Per Minute



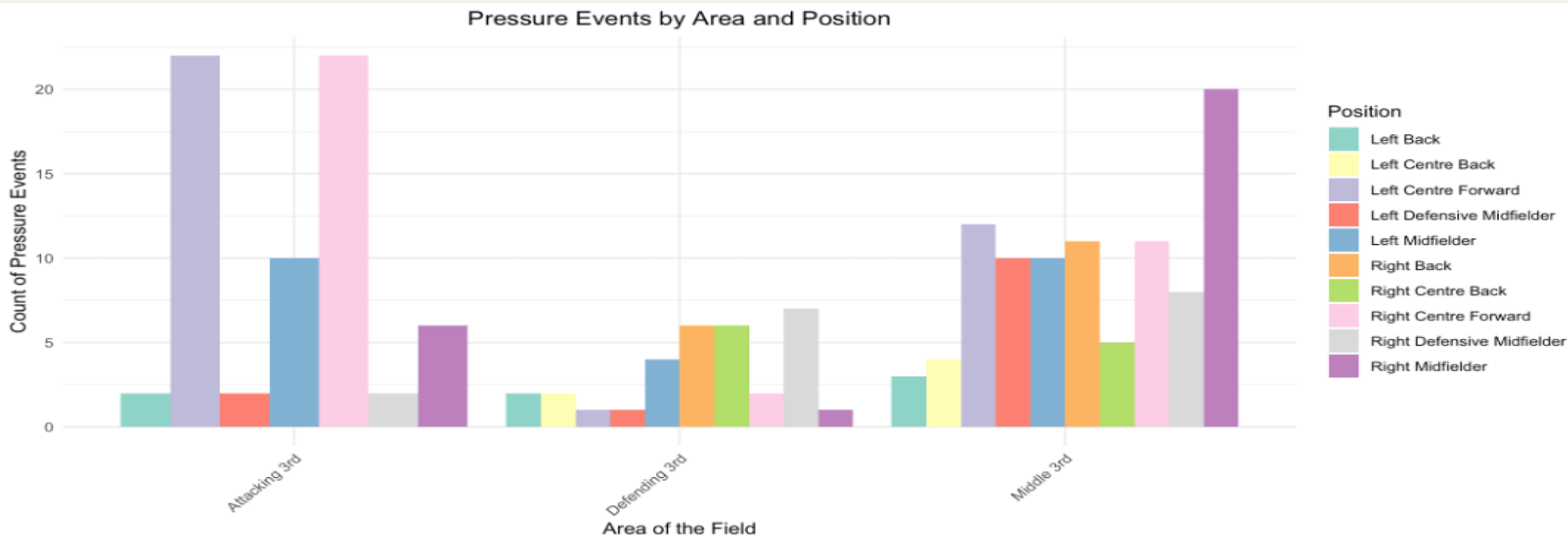
- With Messi out, the Red Bulls applied a high frequency of pressure early on to solidify an aggressive defensive approach.
- Peaks in pressure events around the beginning (0-5 minutes), middle (35-45 minutes), and end (87-94 minutes) display the Red Bulls strategic way to maintain control during critical phases of the game.



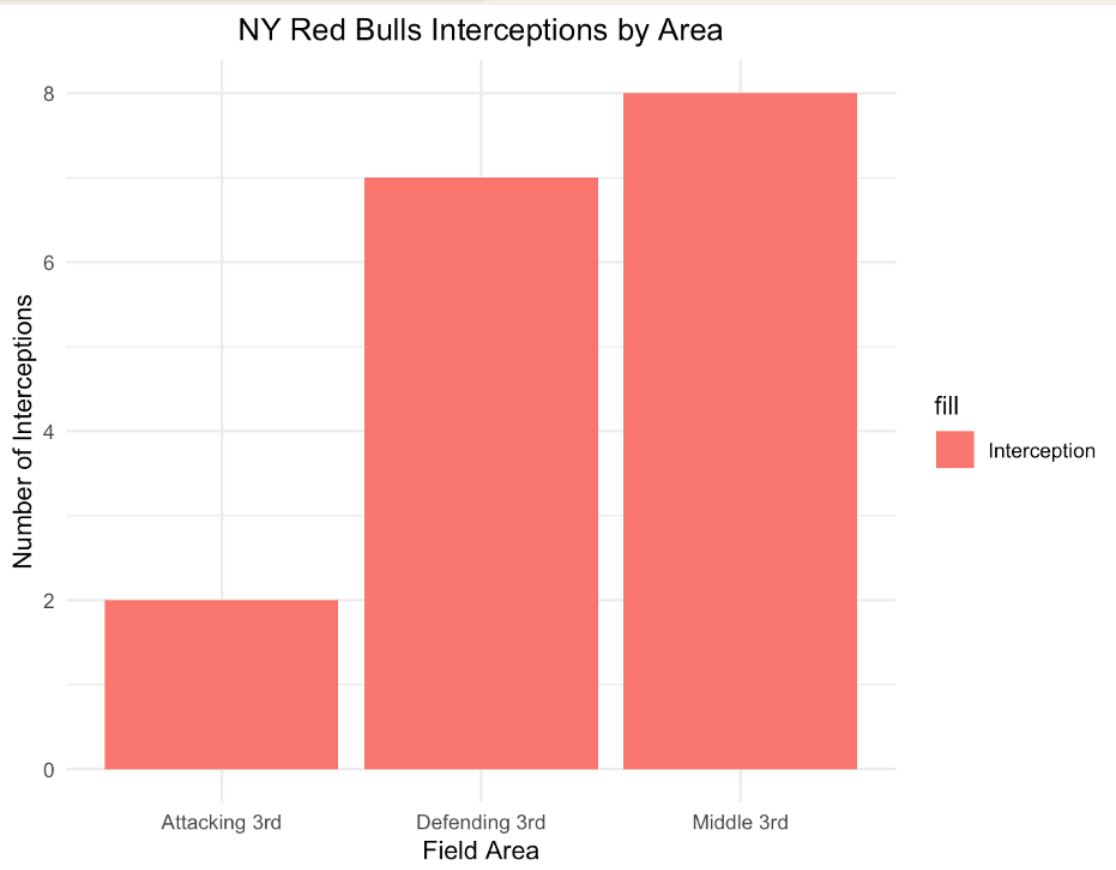


# Defensive Tactics II: Pressure Per Area and Position

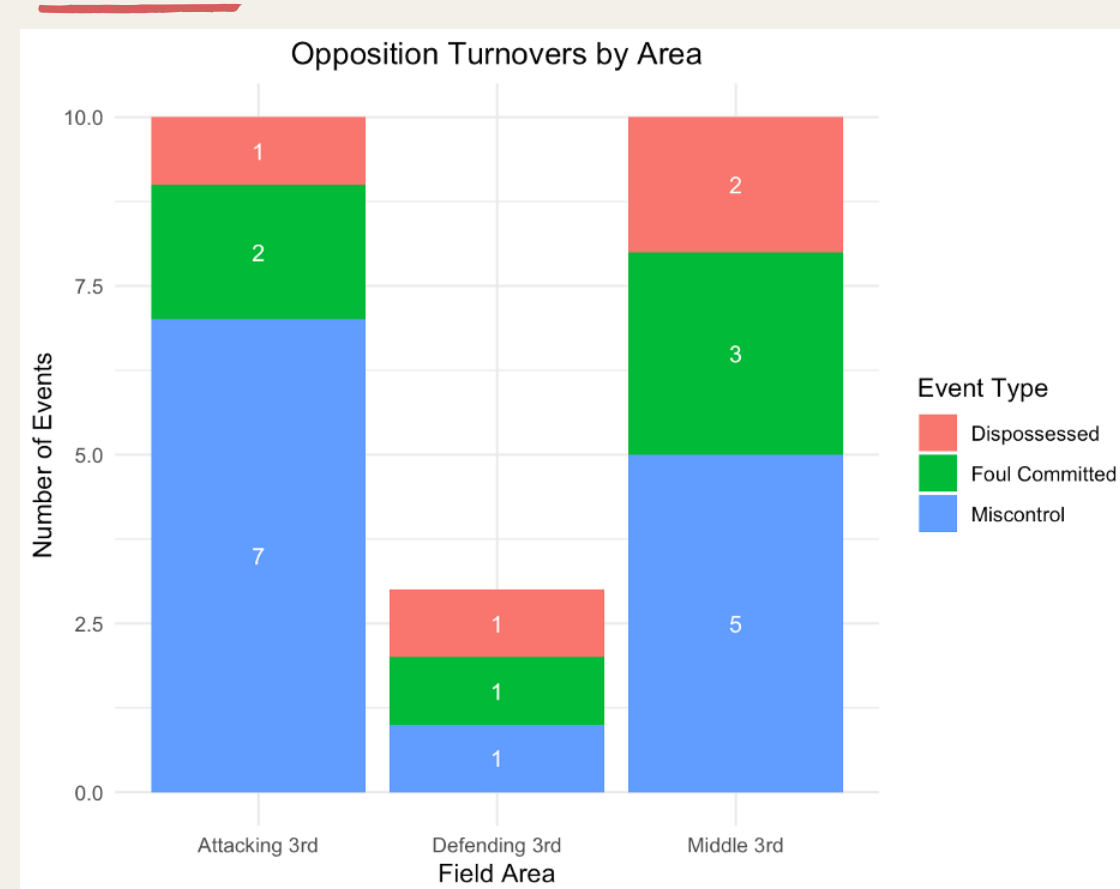
- High pressure applied in the Attacking 3<sup>rd</sup> by the left and right Center Forwards prove the Red Bulls aim to disrupt Inter Miami early and regain possession close to their goal.
- The Right Midfielder, Left Defensive Midfielder, and Right Defensive Midfielder show significant involvement in the Middle 3<sup>rd</sup>. This exemplifies the Red Bulls Midfielders' role in linking defense and attack, as well as controlling the pace of the game.



## *Defensive Tactics III: Turnovers Forced*

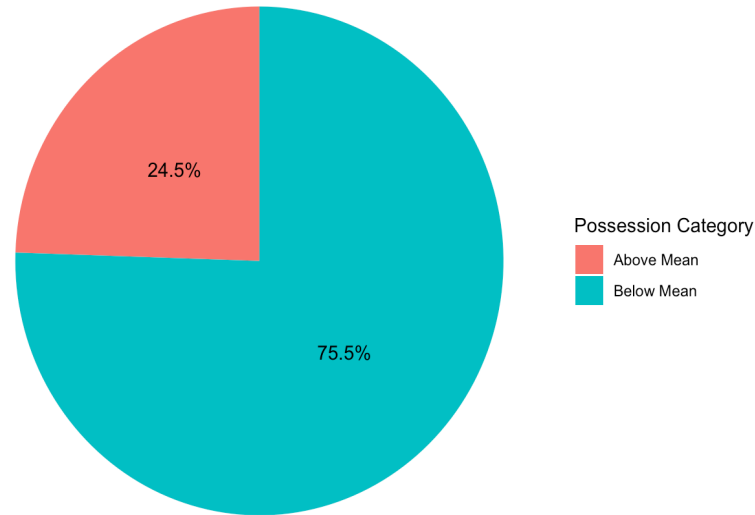


- High interception rates in the Middle 3<sup>rd</sup> once again show the Red Bulls strong Midfield presence throughout the game.
- The graph displaying Inter Miami's turnovers by area show majority of turnovers occur in Middle 3<sup>rd</sup> through miscontrol and fouls committed. This correlation shows the Red Bulls Midfielders constant disruption leading to Inter Miami's mistakes during the game due to their strategic pressure approach.

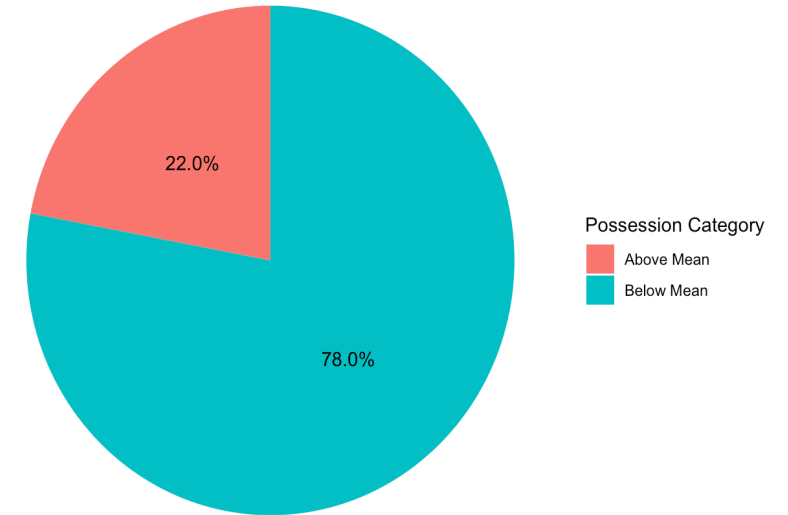


# Overall Story I: Time of Possession Relative to Mean

Percentage of Inter Miami Time in Possession Relative to Mean



Percentage of NY Red Bulls Time in Possession Relative to Mean



## Time in Poss Summary

Min: 0.000

1<sup>st</sup> Qu. : 4.107

Median :11.309

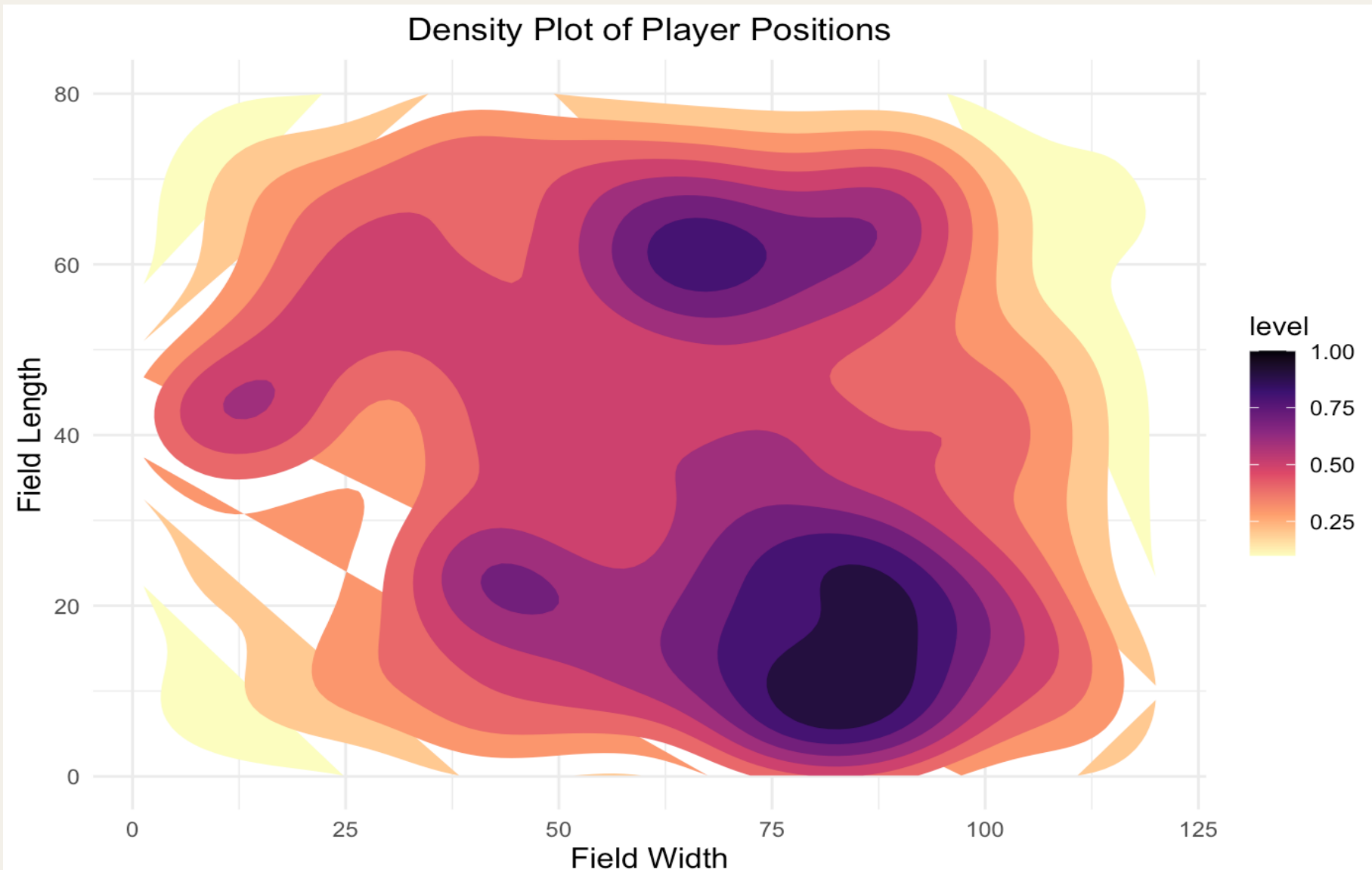
Mean: 16.763

3<sup>rd</sup> Qu. : 24.727

Max : 155.525

- Although the time of possession in relative to the mean was mostly even the pie charts indicate that the Red Bulls were able to have quicker and efficient possessions allowing them to capitalize on more scoring opportunities.
- The fact that the Red Bulls didn't dominate time of possession, yet still won 4-0 shows the display of dominance throughout the game in all facets.

# *Overall Story II: Heat Map of Player Position*



- Highest density areas (darkest regions) are concentrated around the midfield. This reiterates the Red Bulls focus on controlling the midfield during the game.
- Significant densities deeper in the Red Bulls half (left side of graph) implies a balanced approach in both halves. Players were actively contributing in both defensive and offensive duties which explains an dominant 4-0 victory.

***Thank You***

---

