

An unforgettable year: *Naples Champion*

A network-based analysis



Contents

01. Why this topic

02. Introduction

03. Related works and Data Extraction

04. Napoli Vs. Juventus

05. Napoli Vs. Milan

06. The new Naples of Luciano Spalletti

07. General stats

08. Conclusions and Future Works

01. Why this topic?

- **Personal passion:** I'm passionate about football and I want to share my passion with others through a project. I would like to pursue a career in this world and become a professional match analyst.
- **Community Involvement:** Football has a significant impact on society and the local community. It is a very popular sport and involves millions of people around the world, so it is natural to want to explore and delve into the various aspects of the sport.
- **Business Opportunities:** Football is also a far-reaching industry, with many related business opportunities. You may have identified an opportunity to set up a football business, such as organizing sporting events, managing a team, or building a football app or website.
- **Match Analysis:** The role of the match analyst in modern football has become increasingly important and recognized in recent years. Evaluate your team's performance, evaluate individual players and evaluate your opponents.

The central role of match analysis:

- L'importanza del Match Analyst nel calcio moderno: [Football Tech](#)
- Kevin De Bruyne, il caso studio: [Rivista Undici](#)
- I Data Analyst sostituiranno i manager: [Gianluca Di Marzio](#)

02. Introduction

Goal: the analysis of these two matches aims to understand **Napoli's tactics** and demonstrate the **complexity** of their game. I want to provide a detailed analysis of the matches under examination and contribute to the use of network theory in sports research.

Match 1, 13/01/2023

Napoli

5



Juventus

1



Match 2, 02/04/2023

Napoli

0



Milan

4



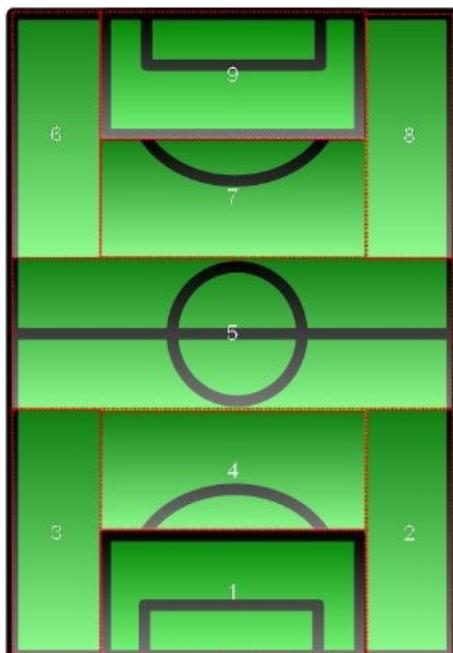
The two matches represent the perfect synthesis of **Napoli's** entire season and allow us to understand their **strengths** and **weaknesses** and what limits they may have to overcome in order to **improve next season**.

- Spaccanapoli: [Ultimo Uomo](#)
- Il Milan ha aperto una crepa nelle certezze del Napoli: [Ultimo Uomo](#)

03. Related Works & Data Extraction

- The problem of data extraction is given by the fact that it is necessary to collect **data** that depend on **space** and **time**, this means that the same player can be in different parts of the field and at different times and interact with teammates.
- I used the work done by [Cotta et al. \(2011\)](#) on the Spanish team for the 2010 World Cup. I used their 9 zones division of the pitch model to collect the data manually by watching the entire matches and the final data is a list of passes with the format:

```
<minute> <player1> <zone1> <player2> <zone2>
```

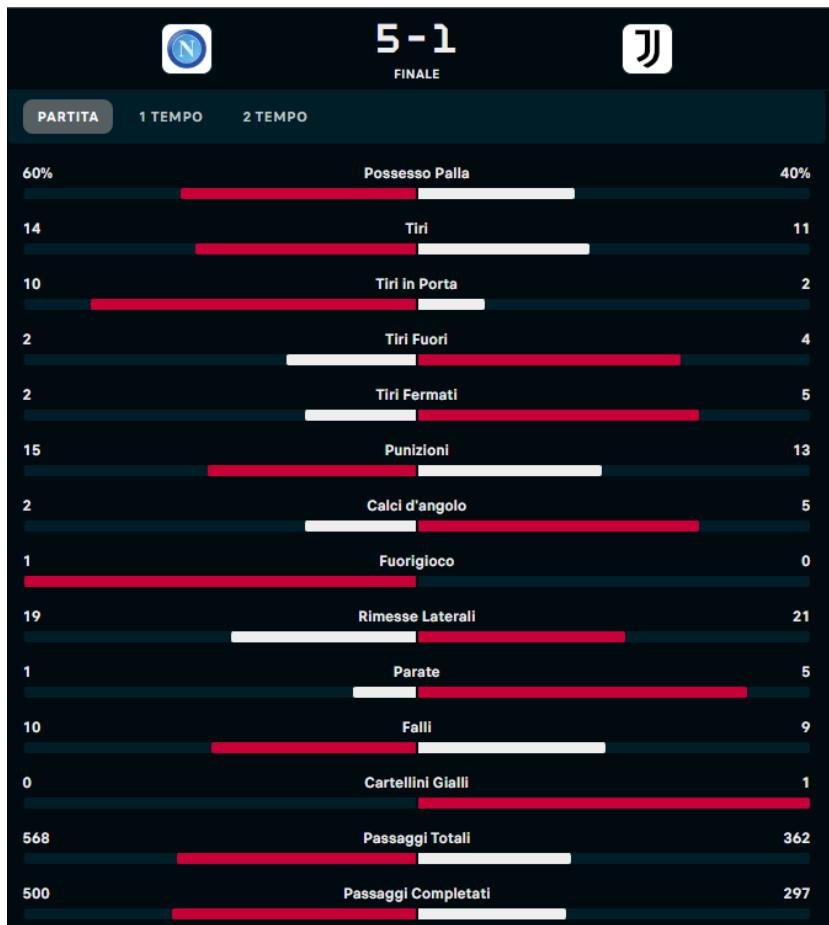


Model of the football field for data extraction.

- With this model it is possible to identify which player has passed to which player, the field zones of interest and the relative minute.
- I followed some papers done by [Arriaza-Ardiles et al. \(2018\)](#) in order to interpret the player metrics results and by [Cintia et al. \(2015\)](#) for the mean degree as evaluation team's performance.

04. Napoli Vs. Juventus

Match Analysis



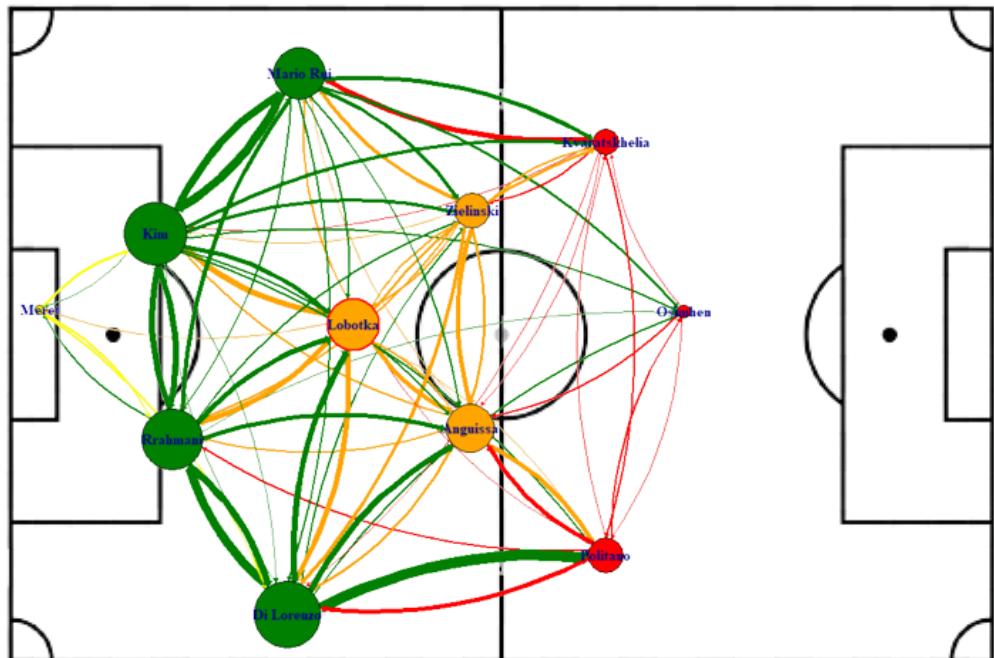
Where did Napoli win the match?

- High dribbling **speed**
- **Intensity** in pressing
- Continuous **ball possession** between the four **defenders** and **Lobotka** (at midfield height)
- Ball possession aimed at finding **Osimhen** in depth (behind the defenders)

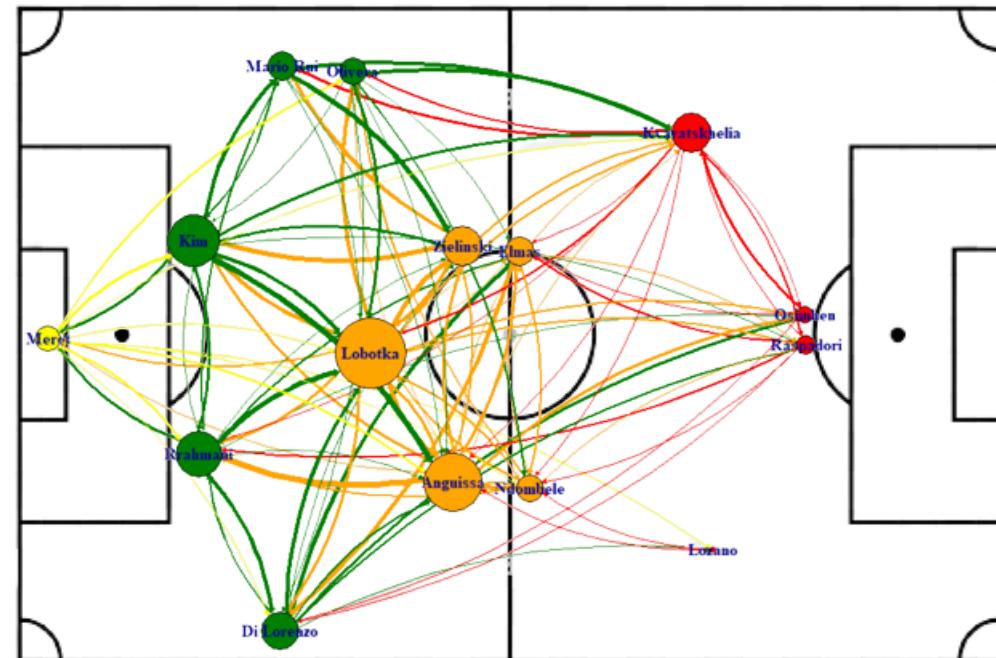
Source: [Diretta](#)

04. Napoli Vs. Juventus

- **Passing Network First Half**



- **Passing Network Second Half**

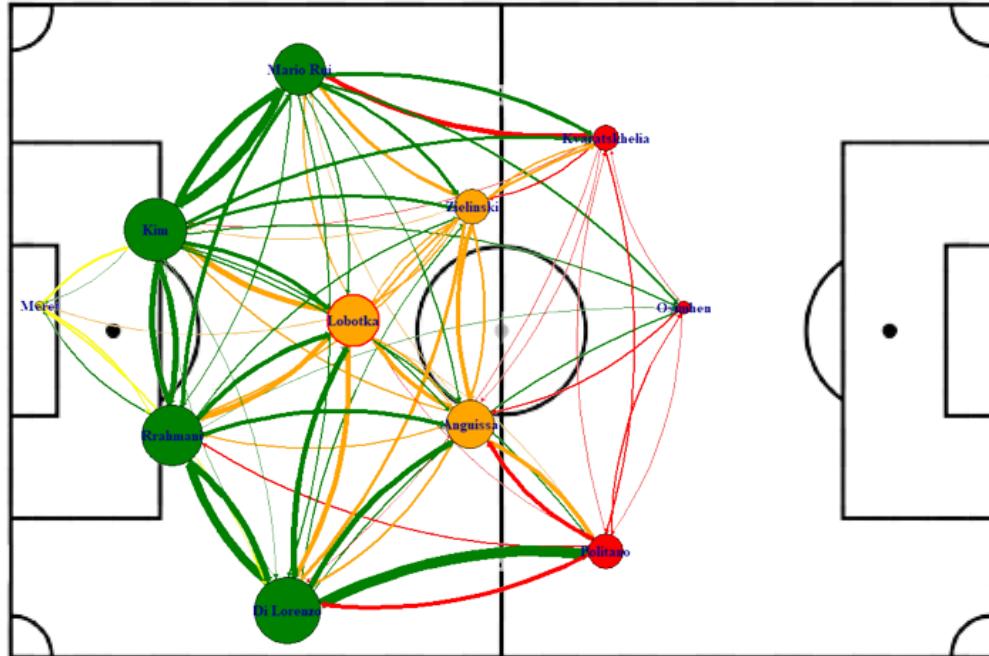


- Napoli in **full control of the game**, raises the defense line in midfield, in fact the players who touch the ball the most are the **four defenders and Lobotka**.

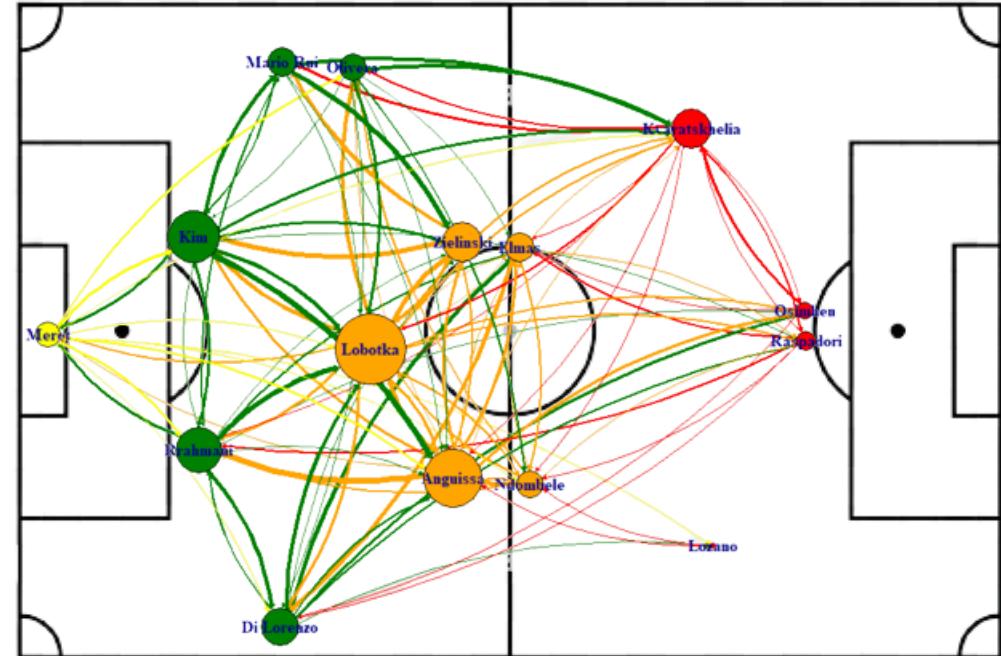
- The **full-backs were less involved** in the action as **Lobotka** and **Kvaratskhelia** got **into the game**. This is due to the fact that Juventus stretched out in midfield and created space between areas of the pitch.

04. Napoli Vs. Juventus

- **Passing Network First Half**



- **Passing Network Second Half**



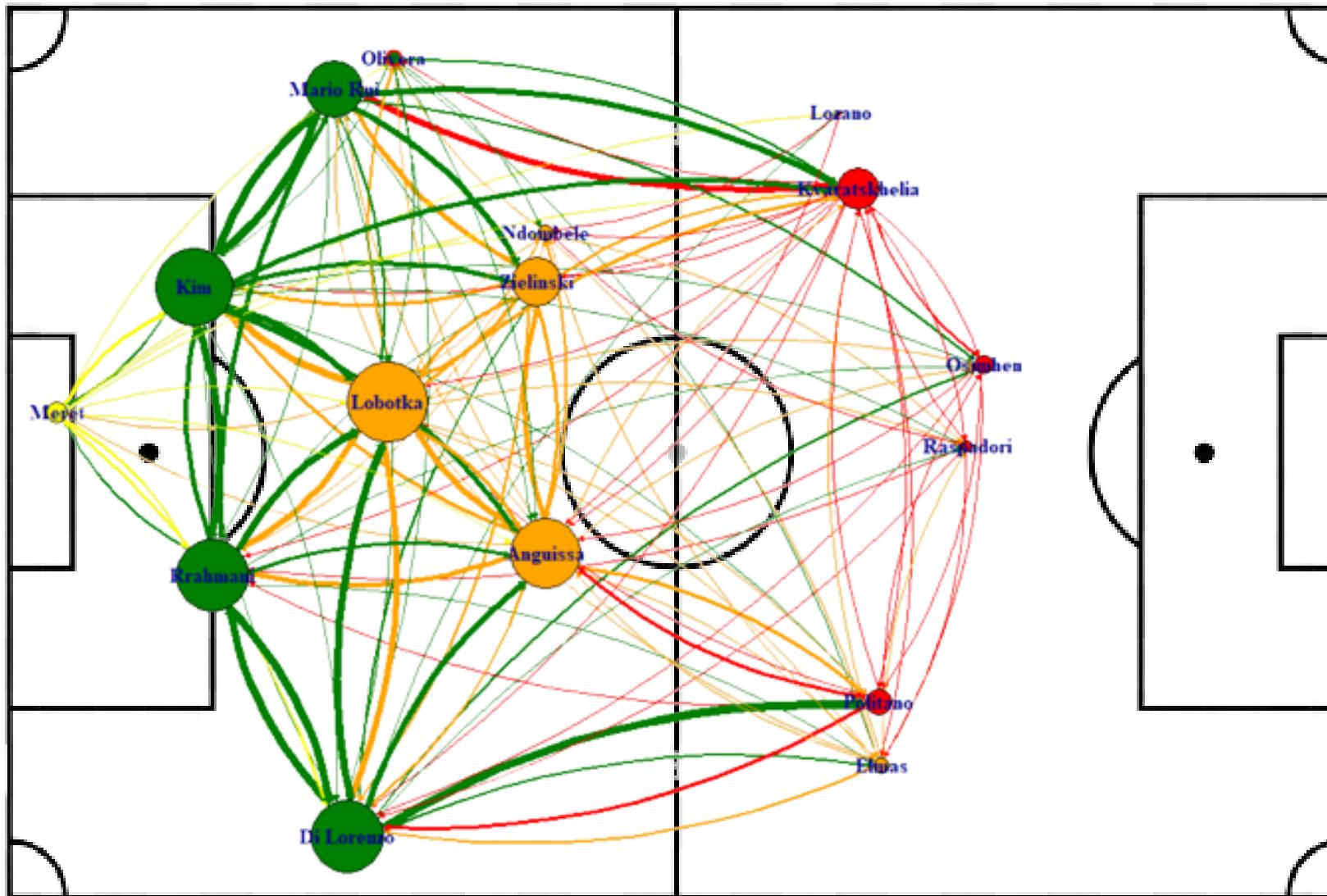
Interesting Communications:

- **Di Lorenzo**: Rahmani, Politano, Lobotka
- **Kim**: Mario Rui, Rahmani, Lobotka
- **Mario Rui**: Kim, Kvaratskhelia

- **Lobotka**: Anguissa, Kim, Rahmani
- **Kvaratskhelia**: Mario Rui, Osimhen
- **Mario Rui**: Zielinski

04. Napoli Vs. Juventus

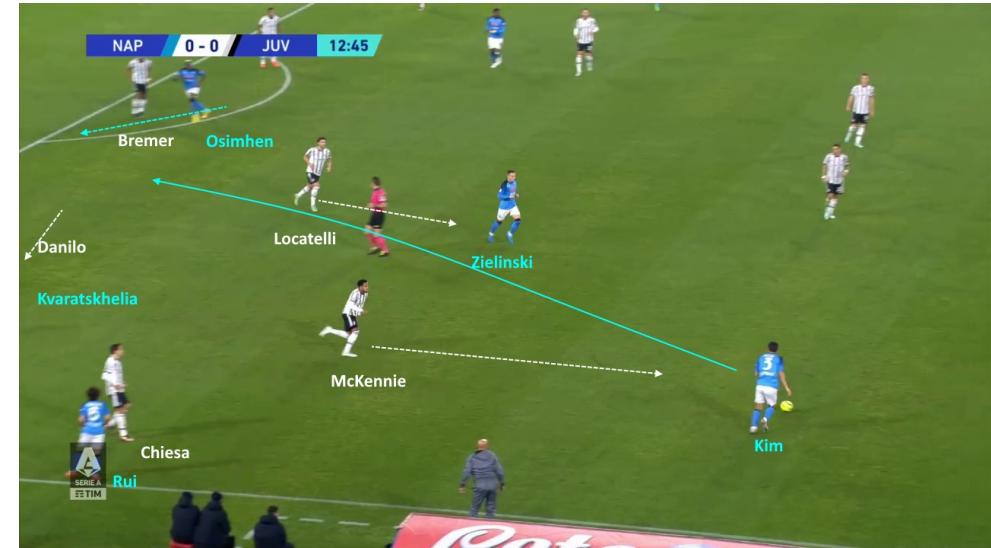
- Passing Network Whole Match



04. Napoli Vs. Juventus

Let's check

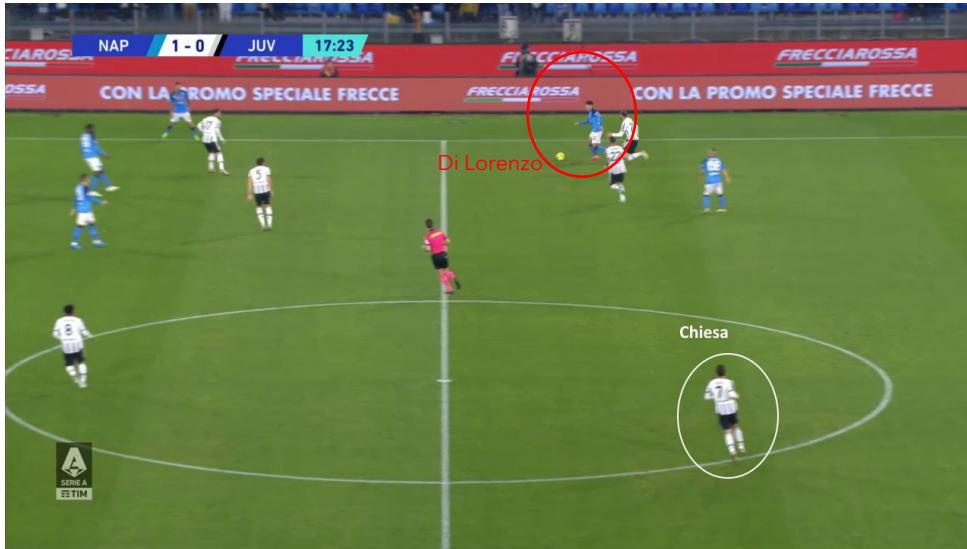
- **Ball possession** aimed at finding **Osimhen** in depth



- **Eye contact** between **Mario Rui** and **Osimhen** before the throw, **Rui's verticalization** after a pass received by Kim, **Kim's verticalization** after a discharge received from Rui.

04. Napoli Vs. Juventus

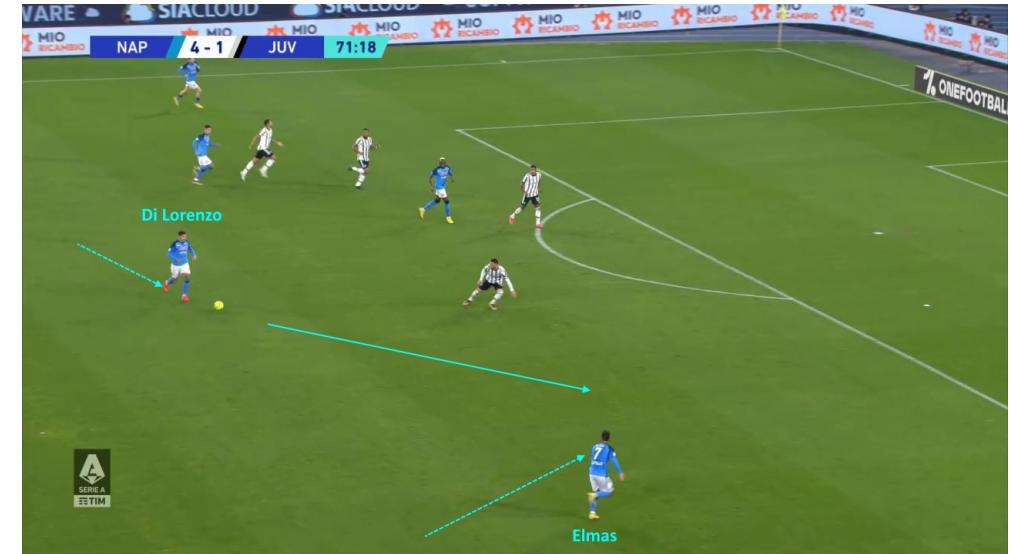
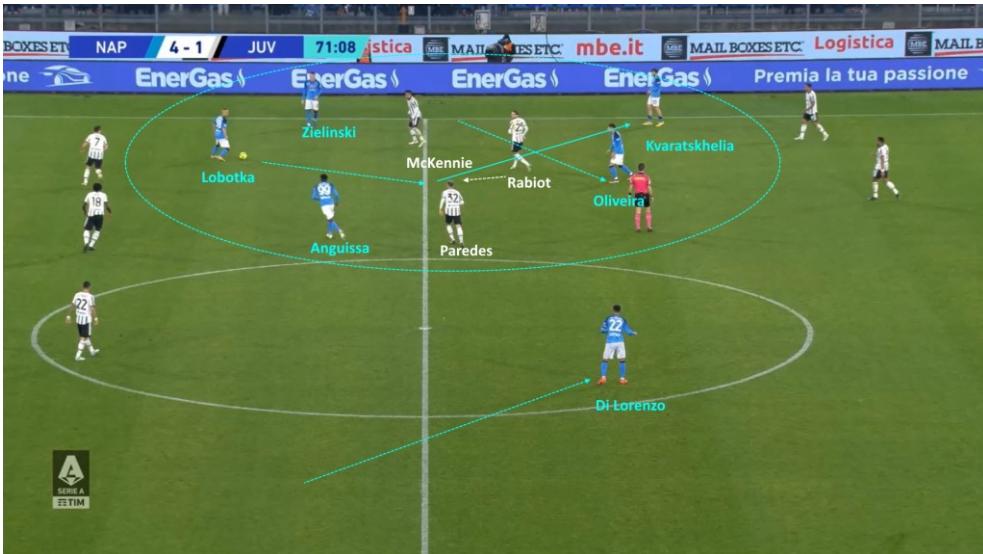
- After conceding the first goal, **Juventus hinted at a timid attempt to increase pressure** and center of gravity, however clashing with **Napoli's ability to move the ball and adapt to the situation**.



- Napoli in this phase is **blocked** in the **possession** phase, with **Milik under pressure on Lobotka** and Locatelli covering the verticalization towards Osimhen. Here we see **Di Lorenzo's ability to organize the offensive action** even if he is a right-back. The ball reaches Politano who serves Osimhen behind Bremer, who turns around and serves the assist for Kvaratskhelia.
- This action represents an example of how Napoli, despite having **Lobotka blocked** in the possession phase, still manages to find a solution **starting from Di Lorenzo**.

04. Napoli Vs. Juventus

- **Lobotka starting point** of the action and **Di Lorenzo adds to the action as a midfielder**



- **Lobotka draws pressure** from the Juventus midfielders towards himself, before serving left-back Oliveira.
- On the other side of the pitch, **Elmas opens up wide** and **Di Lorenzo comes in midfield** as a midfielder ready to receive the ball. **Di Lorenzo receives the ball** and serves Elmas, that scores.
- This action is a demonstration of **how dynamic Napoli football is** and of the **fundamental role of Lobotka and Di Lorenzo**.

06. Napoli Vs. Juventus

Match Analysis

- **Number of completed passes:**

	Di Lorenzo	Lobotka
1 th Half	49 	36 
2 th Half	19 	33 
Total	68 	69 



* Kim

- **Number of passes received from their teammates:**

	Di Lorenzo	Lobotka
1 th Half	39 	33 
2 th Half	15 	31 
Total	54 **	64 

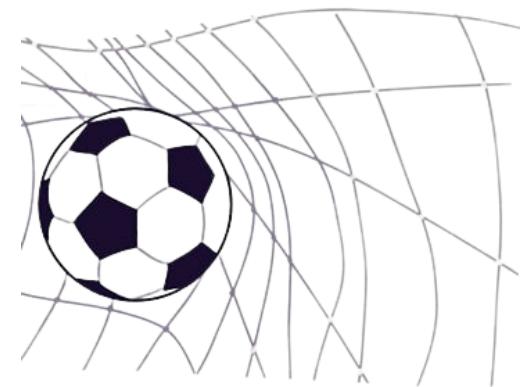
** 5th

04. Napoli Vs. Juventus

Player Metrics

The **centrality measures** (closeness and betweenness) can characterize the weight of a player in the utilised play system. The players with the **highest centrality** are the **most relevant** in the structure of the **team**, and tend to have a higher influence on the other players.

- **Closeness:** indicates the capability of a player to **connect** with the **rest of the players**. A player has a higher centrality when he depends less from the rest of the teammates to communicate with other components of the team.
- **Betweenness:** intermediation between two other players. This metric shows the **frequency** that a node **acts** as a **bridge** between other two players. A player with high betweenness has a relevant influence in the ball transference during possession and in the interaction between other players (**bridge node**).
- **Clustering Coefficient:** represents the number of all possible triangulations related with the player (clusters), useful to understand the **players frequently interacting** in the game-play network. It allows us to discriminate the connection level of different players when the team is in **possession** of the **ball** (offensive phases of the match).



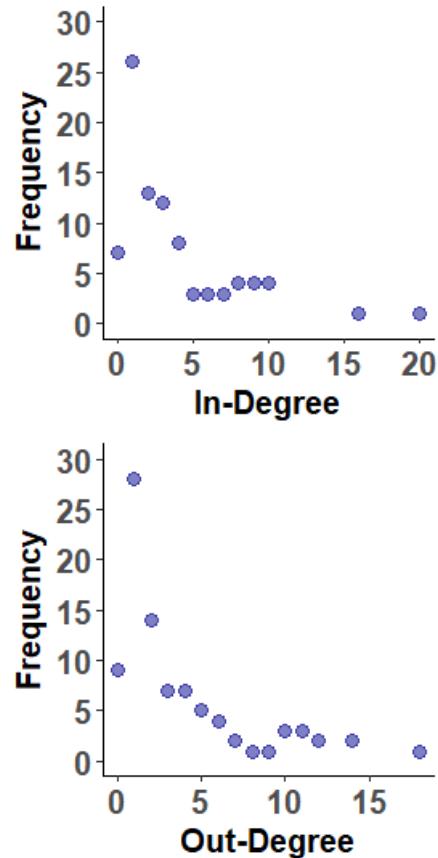
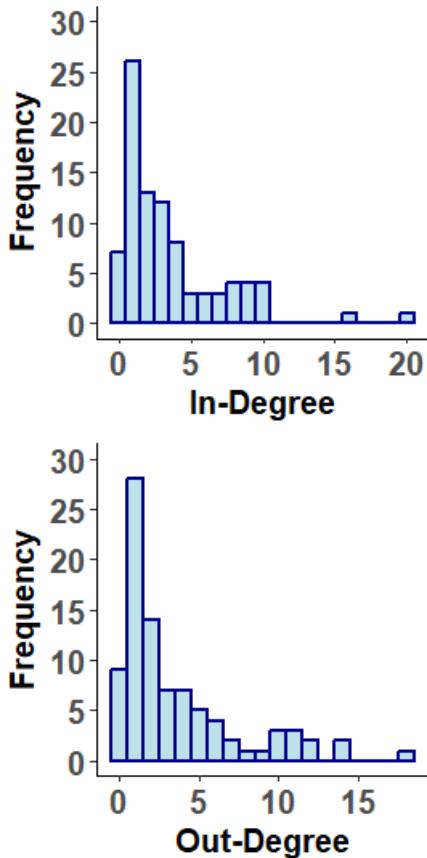
04. Napoli Vs. Juventus

• Player Metrics

	Clustering coefficient	Betweenness centrality	Closeness centrality - in	Closeness centrality - out
Kim	0.964	0.003	0.625	0.682
Rahmani	0.778	0.010	0.577	0.714
Lobotka	0.615	0.121	0.882	0.750
Anguissa	1.000	0.001	0.625	0.625
Meret	0.637	0.139	0.938	0.882
Mario Rui	0.692	0.055	0.789	0.714
Olivera	0.712	0.029	0.714	0.789
Zielinski	0.670	0.056	0.789	0.882
Di Lorenzo	1.000	0.002	0.652	0.652
Kvaratskhelia	0.670	0.080	0.833	0.938
Osimhen	0.889	0.002	0.682	0.600
Raspadori	0.806	0.005	0.714	0.625
Ndombele	0.857	0.002	0.600	0.652
Politano	0.694	0.018	0.682	0.600
Elmas	0.857	0.001	0.625	0.600
Lozano	0.833	0.000	0.517	0.536

04. Napoli Vs. Juventus

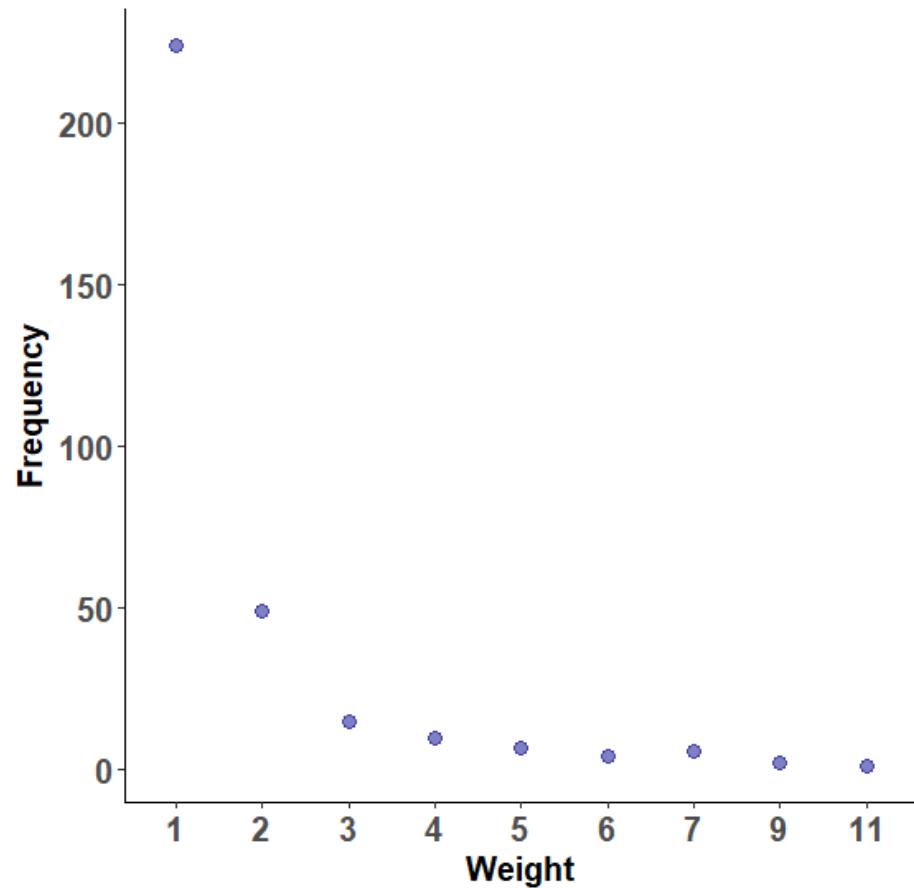
- In-Degree & Out-Degree Distribution



- Following the work done by [Cotta et al. \(2011\)](#) each pair (player, zone) can be interpreted as a virtual player for the network construction.
- I consider a moving window of 15 minutes and build a directed graph $G(V, E)$, where $V = \{(p, z) \mid p \in T, z \in \{1, \dots, 9\}\}$, where T is the set of players in the Napoli team and $(u \rightarrow v) \in E$ if player u passed to player v .
- The **weight** of each edge is given by the number of passes between the two players.

04. Napoli Vs. Juventus

- **Strength Distribution**



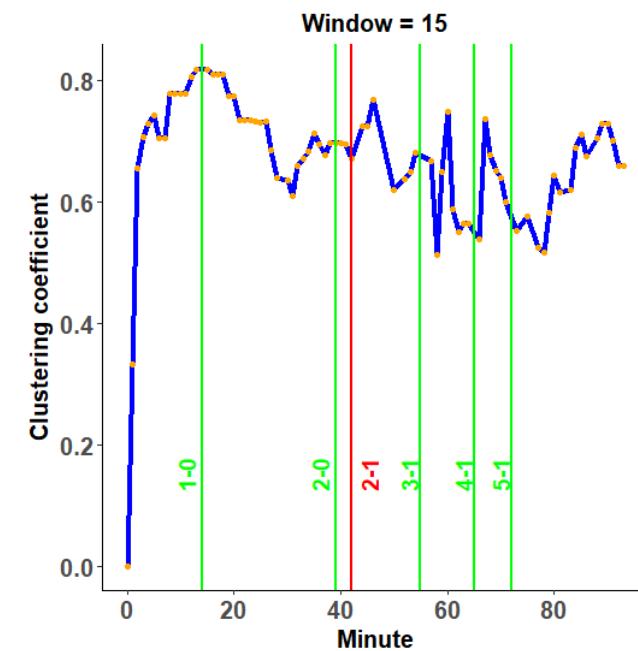
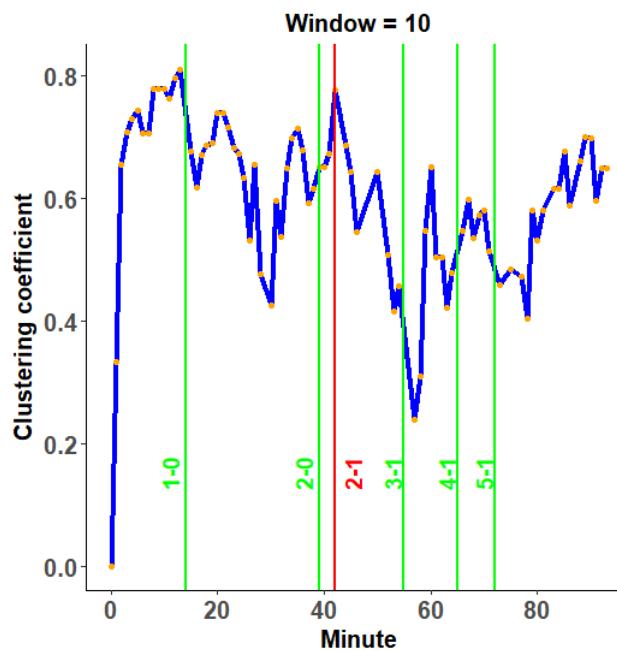
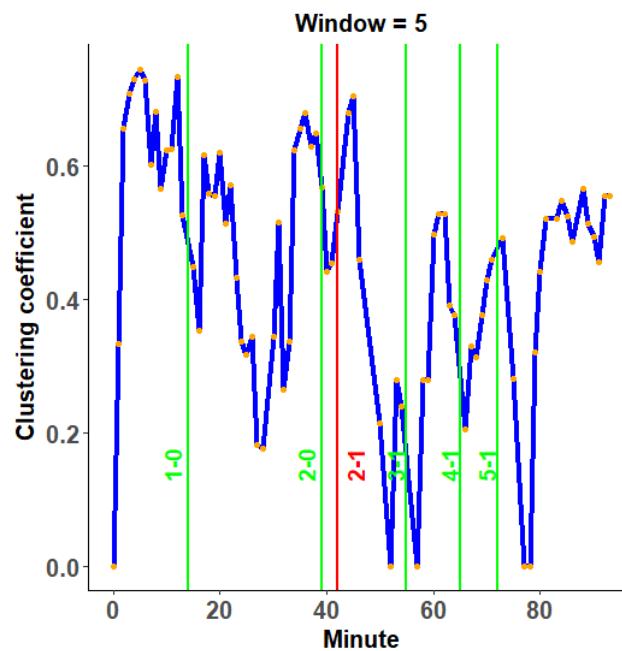
It's possible to observe that:

- Edges's weights range from 1 to 11
- Over 200 edges are only repeated once
- Nodes representing **Kim** and **Rrhamani** in zone 4 have the strongest edges



04. Napoli Vs. Juventus

- **Clustering Coefficient:** is a measure of the degree to which nodes in a graph tend to cluster together, in particular here I used the *global type*. This metric is useful to have an idea of the ball possession level of the tam, which assumes low values immediately before Juventus goals.



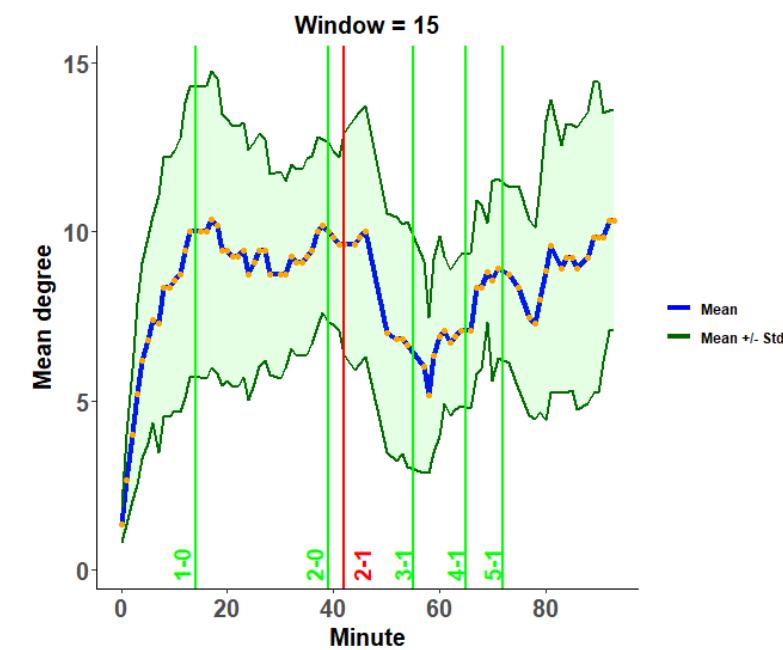
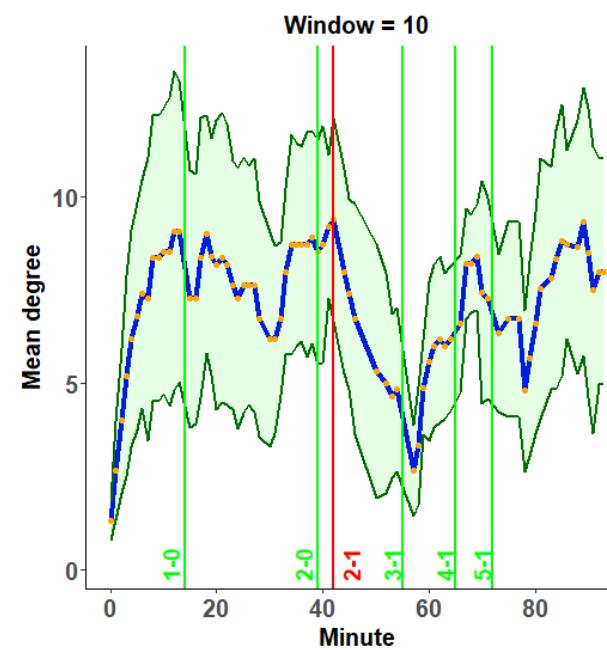
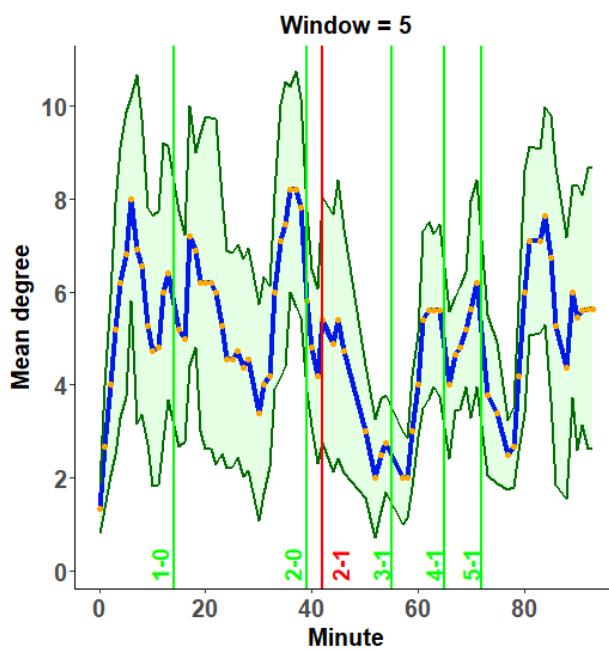
- Napoli increases the intensity of **ball possession**, the clustering coefficient value is **higher** before scoring the first goal.
- Napoli's ball possession **drops** before the **opponent's goal**.
- With third goal, Napoli **recovers** the **ball quickly** and with two passes reaches the goal.

- **X-axes:** Minute of the match [0;93]
- **Y-axes:** Clustering Coefficient

Green Line: Napoli goals
Red Line: Juventus goal

04. Napoli Vs. Juventus

- **Mean and Node Degree:** The blue line is the mean degree of the player during the match. In this case, it was considered the networks as undirected.



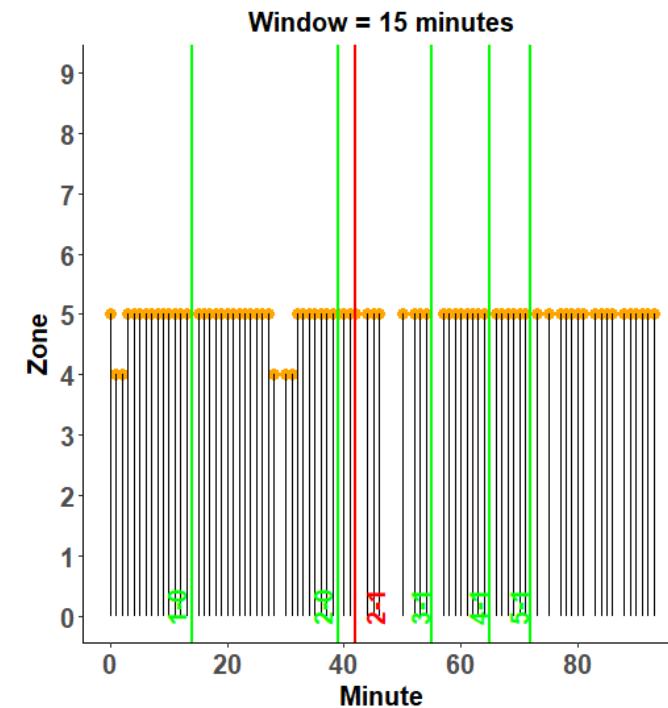
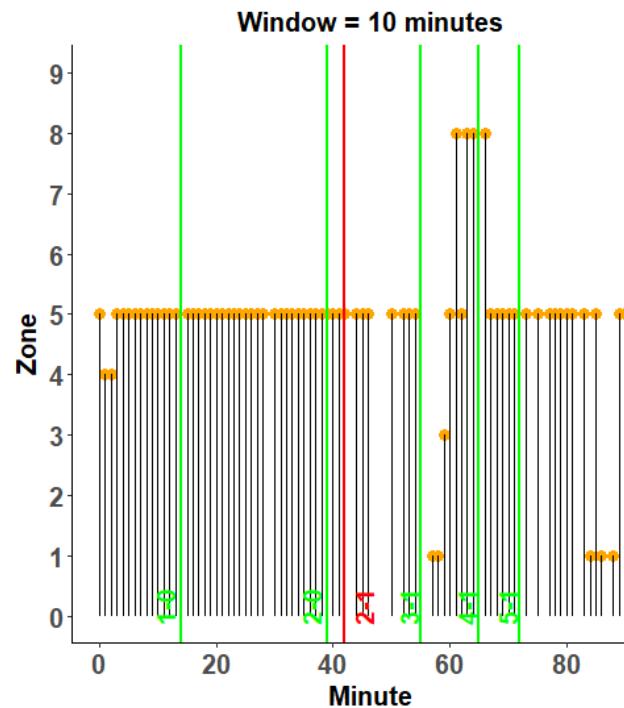
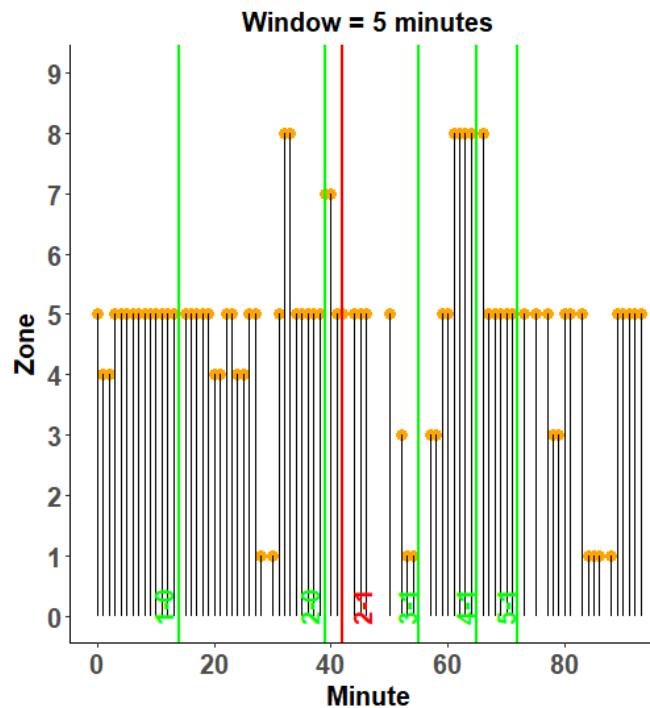
- The **green area** is the variability of the mean degree, represented by one **standard deviation** above and below the mean value.

- **X-axes:** Minute of the match [0;93]
- **Y-axes:** Mean Node Degree

Green Line: Napoli goals
Red Line: Juventus goal

04. Napoli Vs. Juventus

- Zone of the field with highest degree



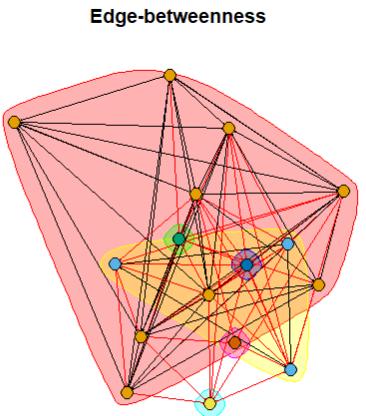
- Napoli's **center of play** is high in the minutes corresponding to the goals.
- What was previously said about the **third goal** is confirmed, with **Napoli** lined up in the **defensive phase** and recovering the ball with an isolated **press** from **Mario Rui**, from which the goal action starts.
- Juventus' goal** was born from a central incursion by **Di Maria** starting from **zone 5** of the pitch.

- X-axes:** Minute of the match [0;93]
- Y-axes:** Zone of the field

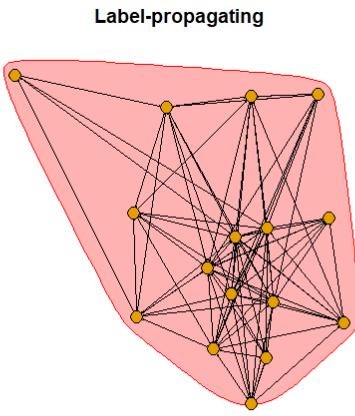
Green Line: Napoli goals
Red Line: Juventus goal

04. Napoli Vs. Juventus

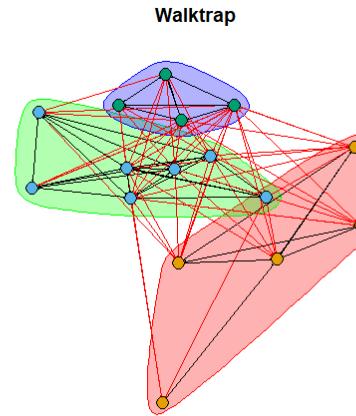
- **Community Detection** for the complete match



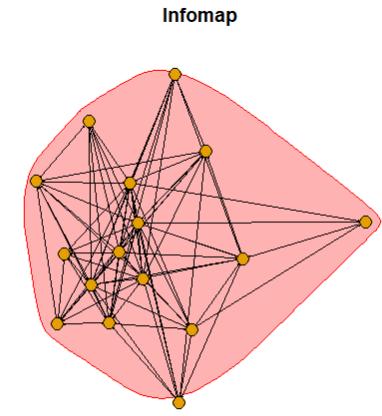
Communities: 6
Modularity: 0.01



Community: 1
Modularity: 0



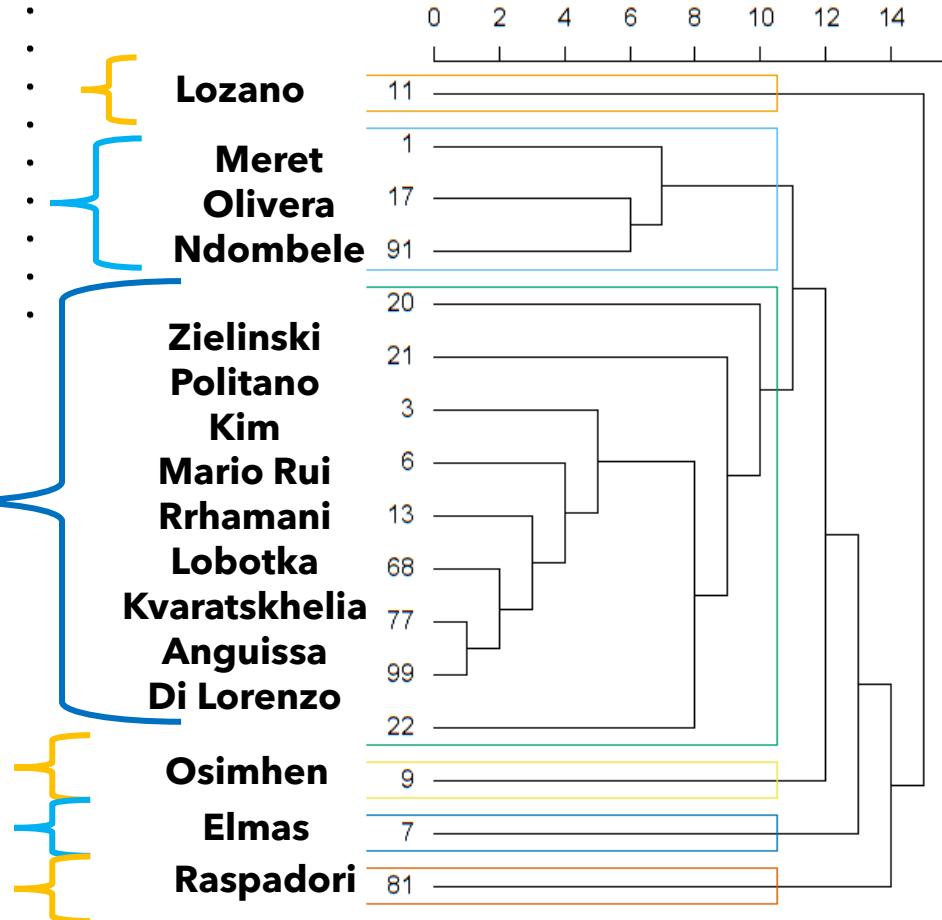
Communities: 3
Modularity: 0.12



Community: 1
Modularity: 0

04. Napoli Vs. Juventus

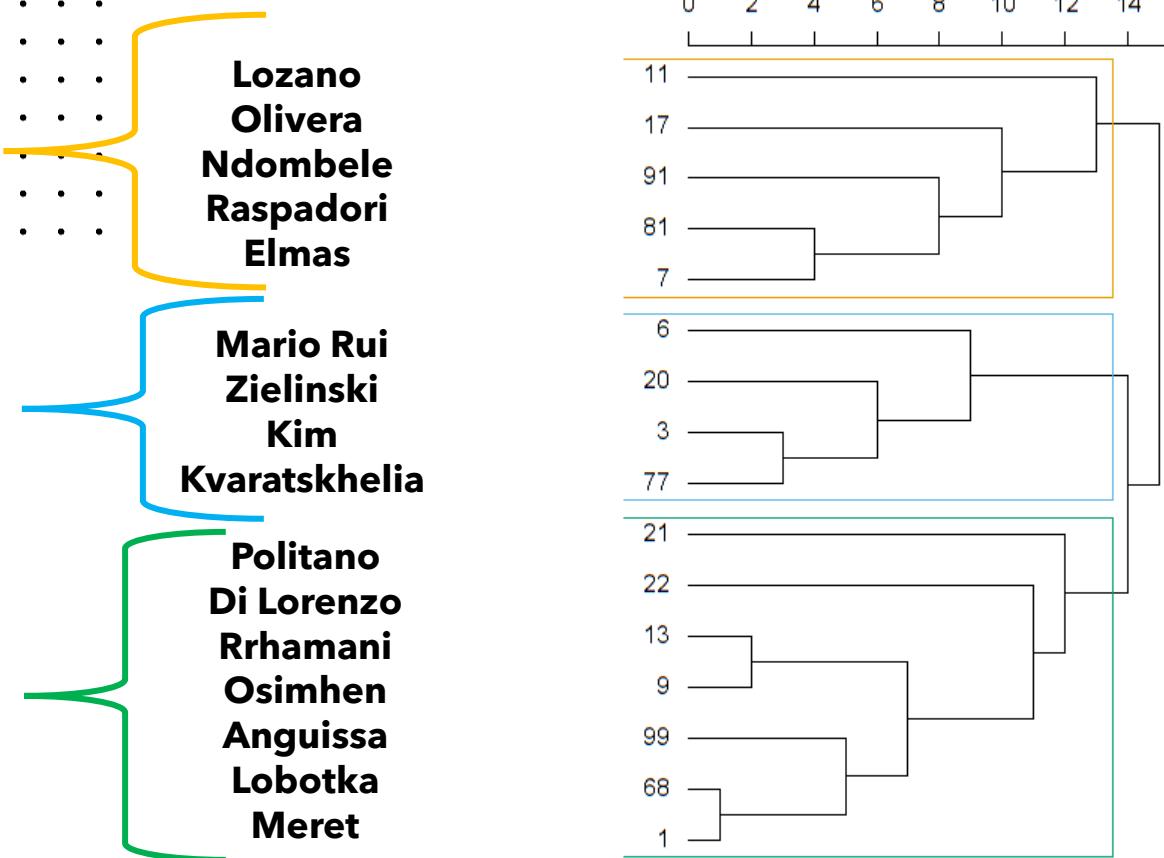
- **Edge-Betweenness:** interesting results



- Setting up the bass and developing on the left side of the field, with **Olivera** taking the place of Mario Rui and **Ndombele** taking the place of Zielinski.
- The **whole team**, with the exception of Osimhen, is grouped into a **single community**
- This result could be given by the fact that **Osimhen** during Napoli's **ball possession** is the player who touches the **least balls** and is mainly used as a finisher of the action.

04. Napoli Vs. Juventus

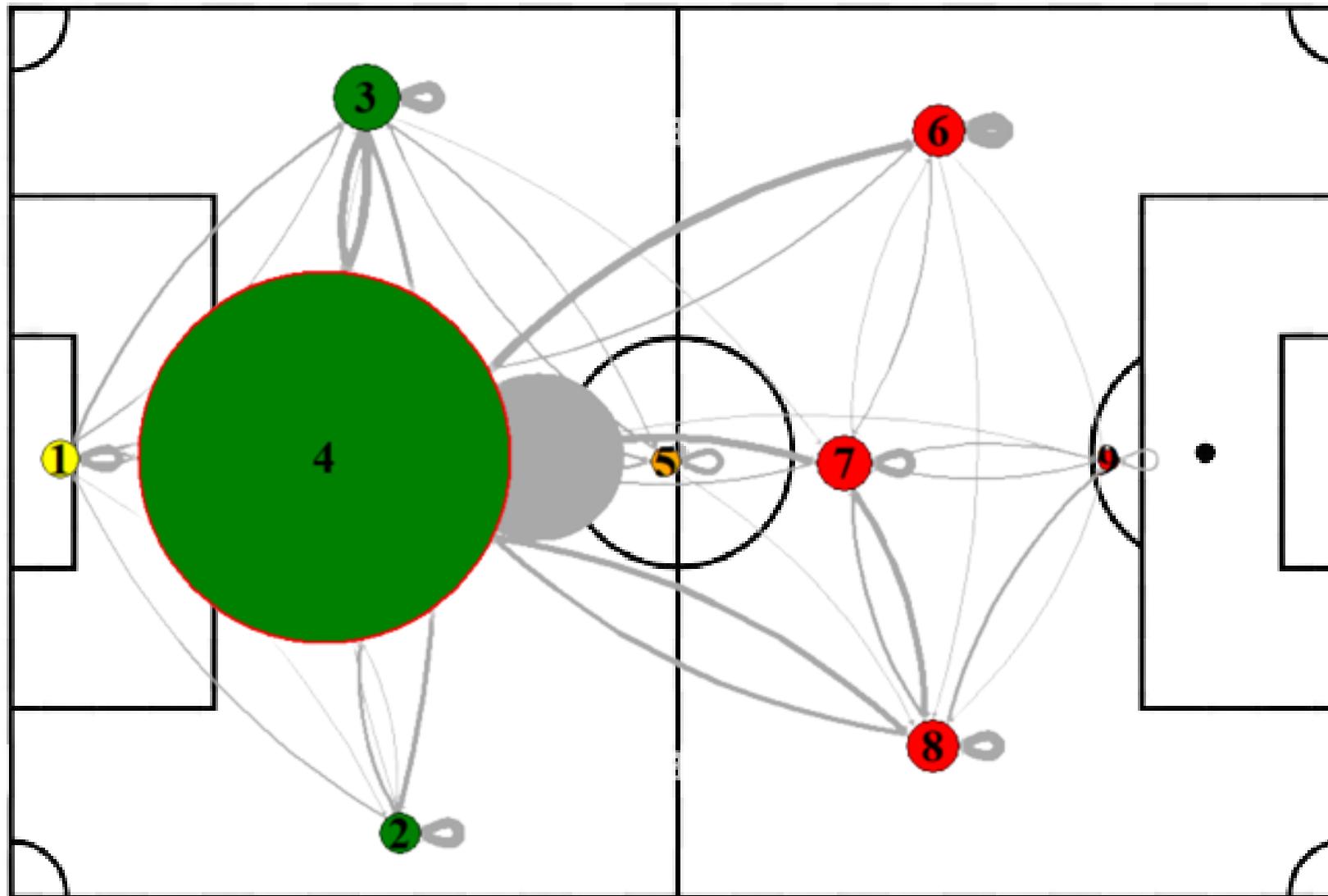
- **Walktrap:** interesting results



- This community encloses the **left lane of Napoli** in the second half (**Olivera, Ndombele, Lozano**) and **Raspadori** who as a striker is the **point of contact** with the other right forward who is **Elmas**.
- This community includes **Napoli's starting left side and Kim**, who acts on the left side in defense.
- This community includes the **right side** and **center** of Napoli who have been involved in different actions during this match, such as the **first goal** and the **second**.

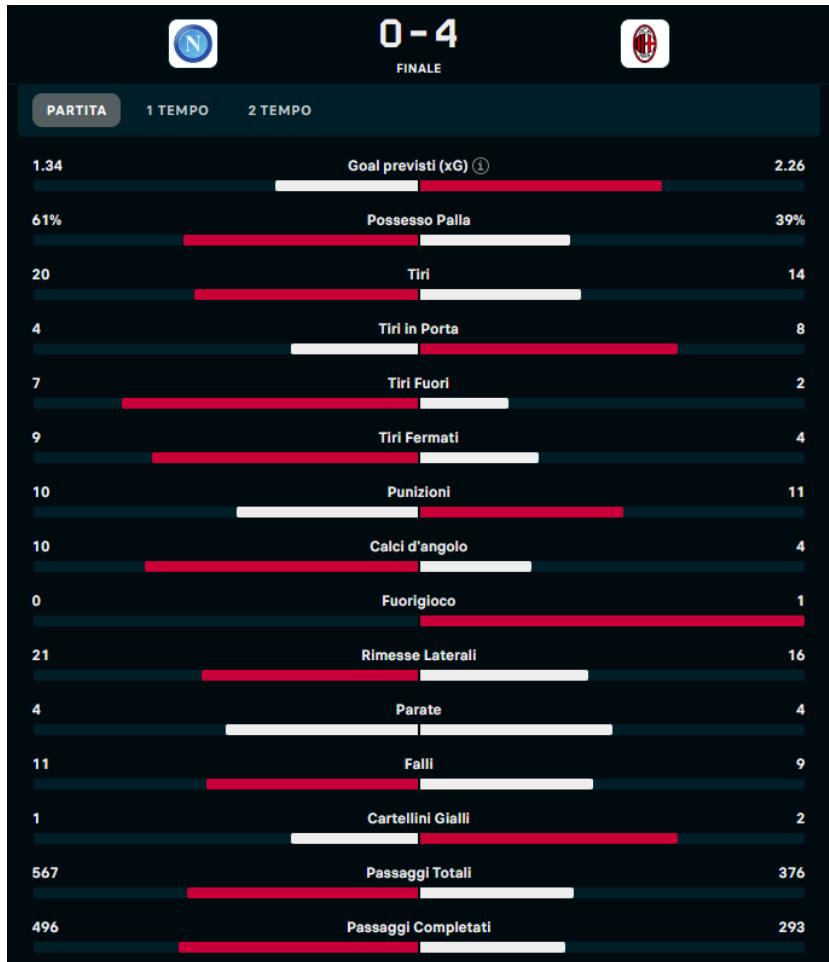
04. Napoli Vs. Juventus

- **Zone Network**



05. Napoli Vs. Milan

Match Analysis



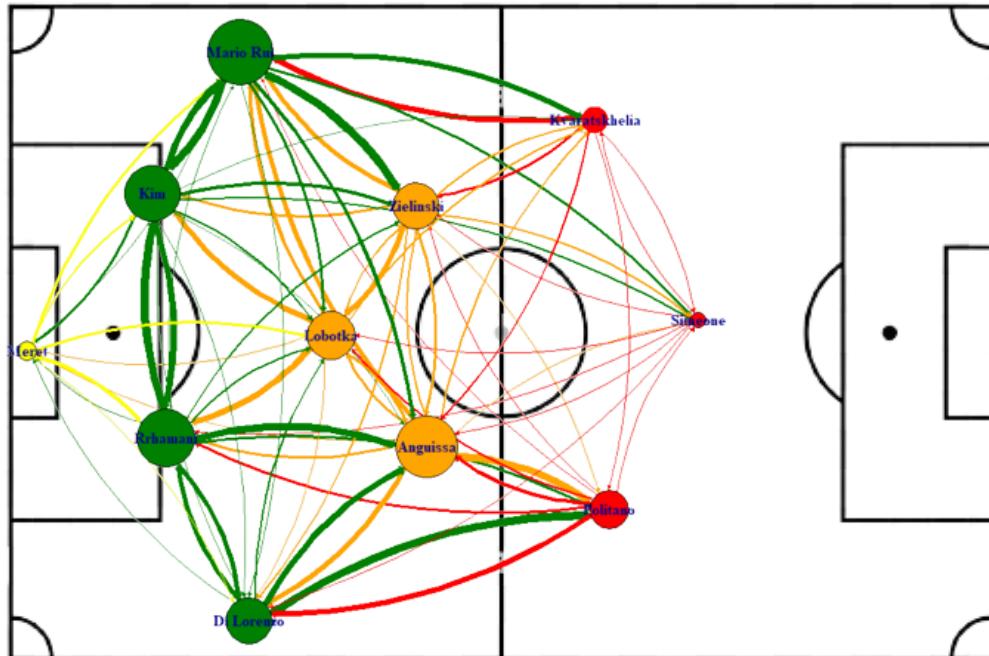
Where did Napoli lose the match?

- **Intensity** in pressing
- **Continuous possession** of the ball **without creating offensive actions**, Milan closing very well in the defensive phase
- **Lobotka** was **pressed** by Bennacer in the possession phase and **Di Lorenzo** was unable to free himself in the center of the field due to good marking by **Leao**.

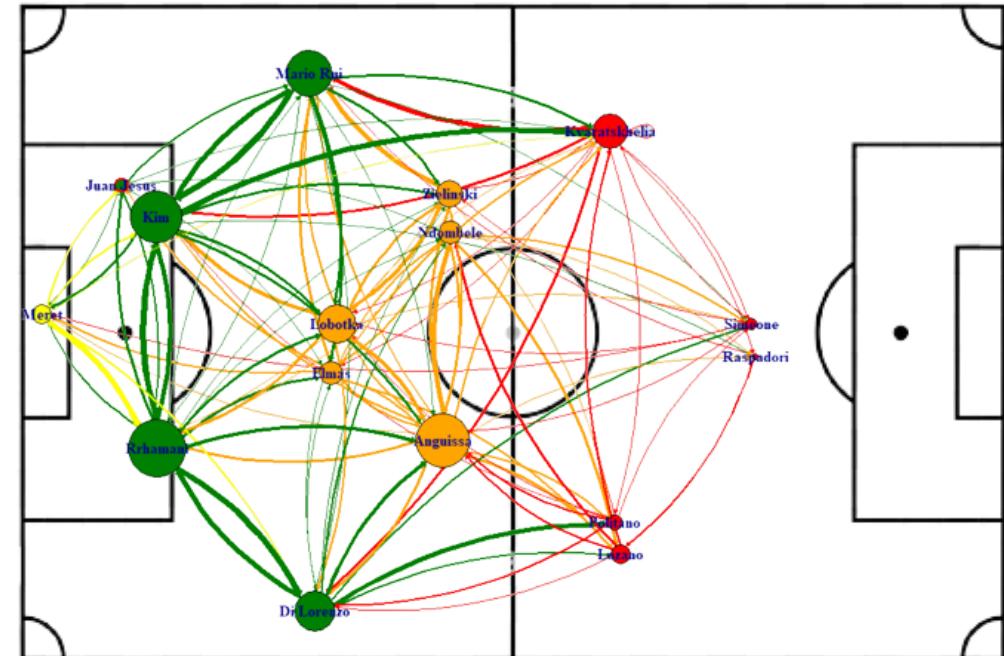
Source: [Diretta](#)

05. Napoli Vs. Milan

- **Passing Network First Half**



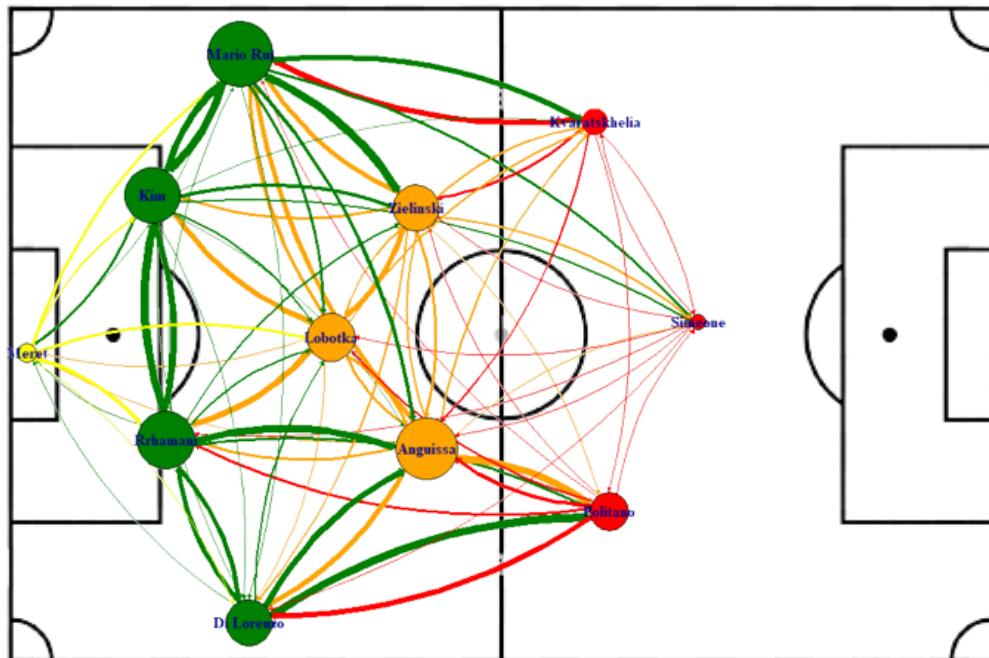
- **Passing Network Second Half**



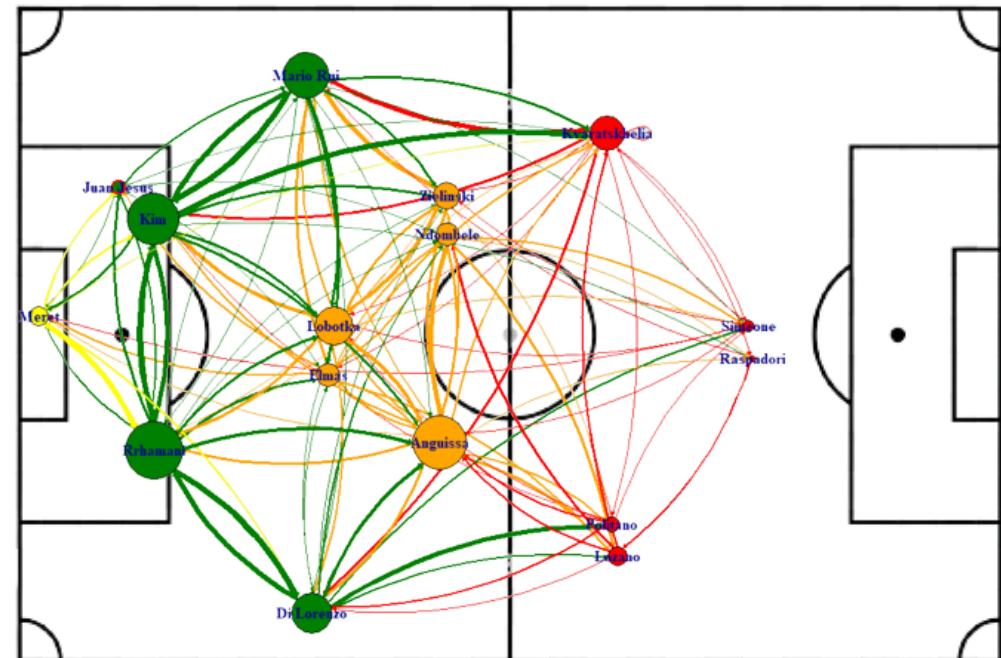
- **Lobotka less involved** than in the match against **Juve** because he is **constantly pressing**, same thing for **Di Lorenzo**. In this situation, the key becomes **Anguissa** who has the keys to the midfield (even if it is not her characteristic) and **Mario Rui**.

05. Napoli Vs. Milan

- **Passing Network First Half**



- **Passing Network Second Half**

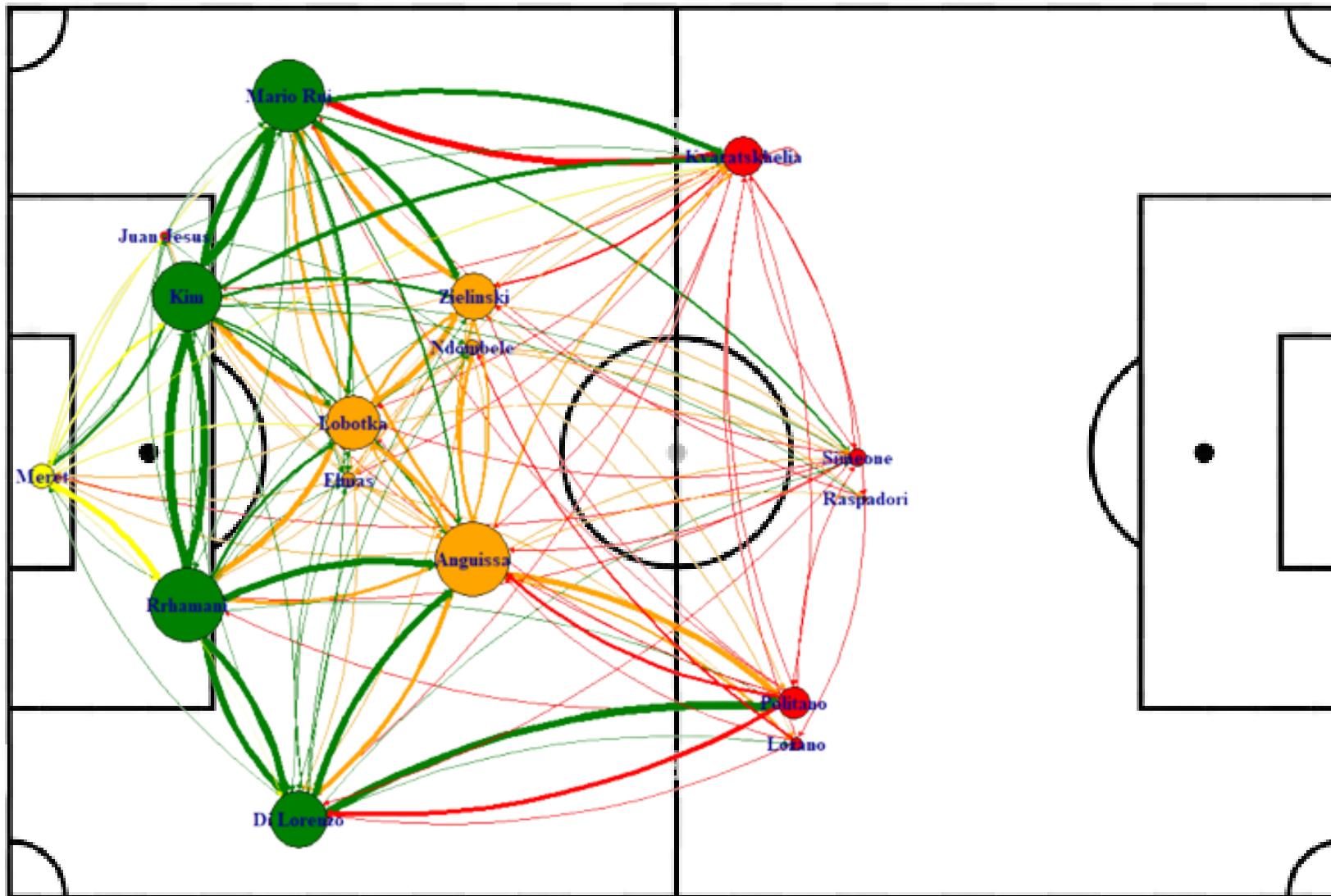


Interesting Communications:

- **Di Lorenzo:** Politano, Lobotka
- **Kim:** Mario Rui, Rrahmani
- **Mario Rui:** Kim, Zielinski
- **Kim:** Kvaratskhelia

05. Napoli Vs. Milan

- **Passing Network Whole Match**



05. Napoli Vs. Milan

Let's check

- Naples **pressed** under **construction** from below.

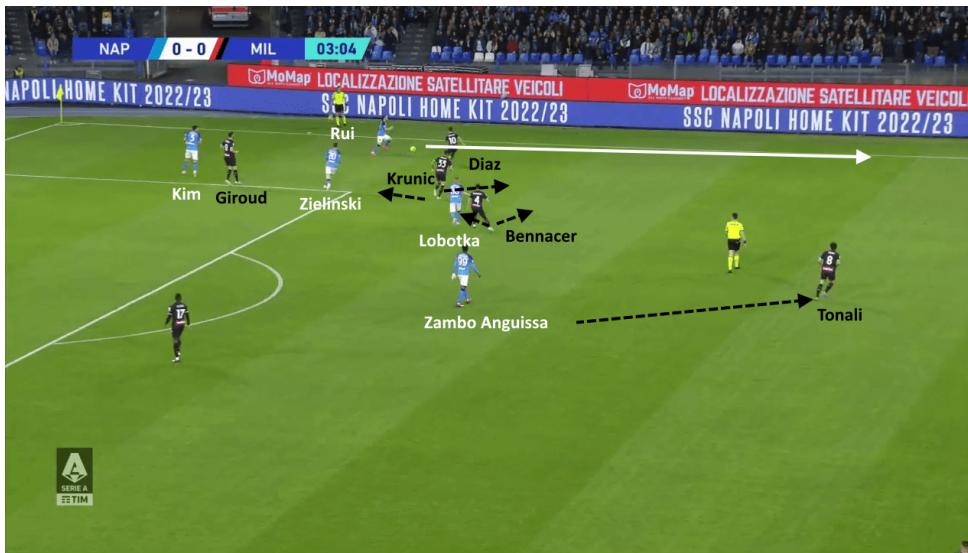


- Milan with this approach completely **blocked** the **midfield** of Napoli, building the following pairs of pressing:
 - Bennacer** on **Lobotka**
 - Tonali** on **Anguissa**
 - Krunic** on **Zielinski**
- Brahim Diaz** and **Leao** also blocked the **defensive wingers** of Luciano Spalletti's team.

Source: [Ultimo Uomo](#)

05. Napoli Vs. Milan

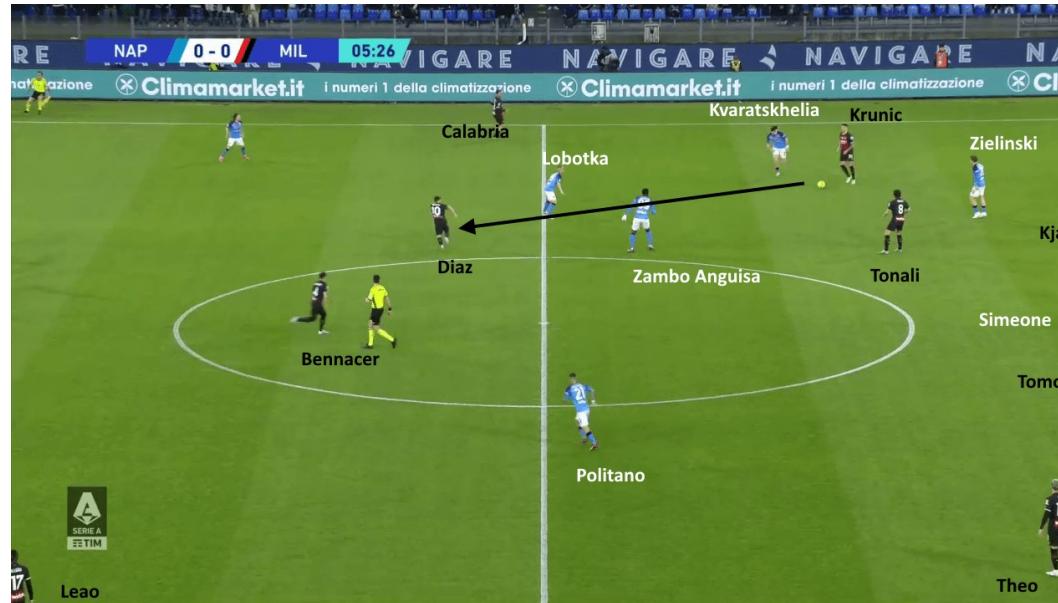
- Aggressive pressing by **Milan** who manages to orient the Napoli player towards the outside and **close the center**.



- The action is then extinguished with a **long line** for **Kvaratskhelia** who, marked from behind by Calabria, tries to skip it by making a veil, which is however intercepted by the central part of Pioli.

05. Napoli Vs. Milan

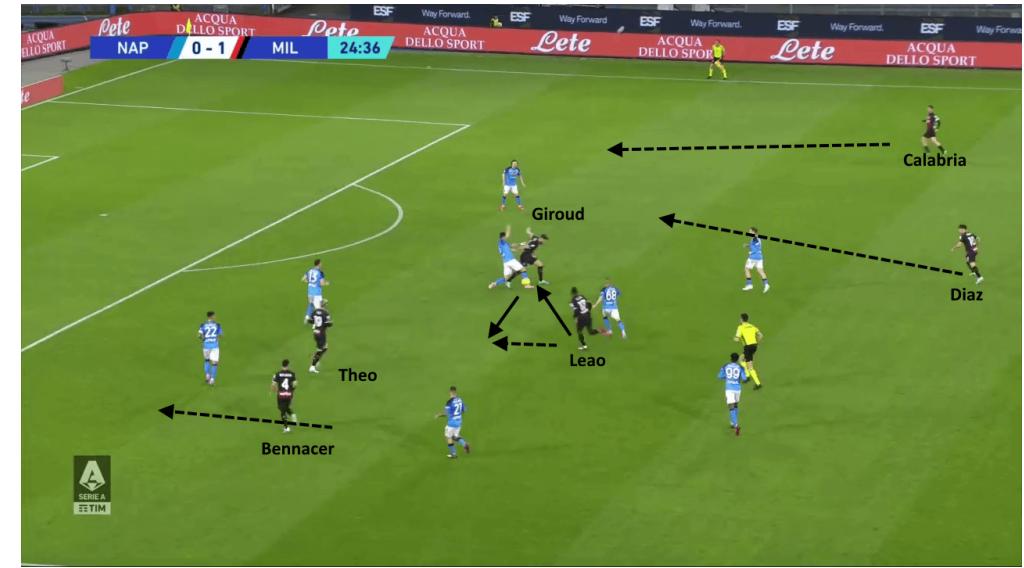
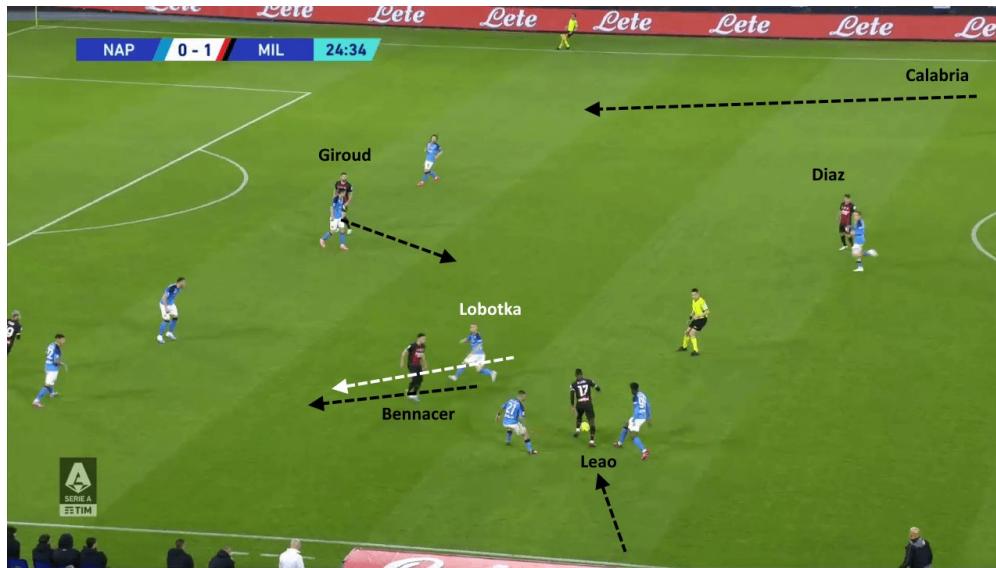
- The Napoli **midfield**, even in the non-possession phase, had difficulty covering the **cuts** behind **Lobotka**. From a similar action, the 0-2 goal was born.



- The lack of coverage of **zone 4** of **Lobotka** and **Anguissa** created spaces that hurt Naples, also due to **Leao's speed**.

05. Napoli Vs. Milan

- Let's see how **Lobotka** does **not follow Bennacer's** cut, focusing on **Leao's** entry into the **middle** of the field.



- Just **Bennacer** receives the ball on the left outside and **crosses** for **Brahim Diaz** who scores the goal to make it 0-2.

05. Napoli Vs. Milan

Match Analysis

- **Number of completed passes:**

	Rrhamani	Anguissa	Kim	Mario Rui	Di Lorenzo	Lobotka
1th Half	31	31	29	36	25	26
2th Half	36	33	33	26	27	25
Total	67	64	62	62	52	50

- **Number of passes received from their teammates:**

	Anguissa	Mario Rui	Rrhamani	Kim	Di Lorenzo	Lobotka
1th Half	33	33	30	30	24	24
2th Half	31	30	32	29	22	22
Total	64	63	62	59	46	46

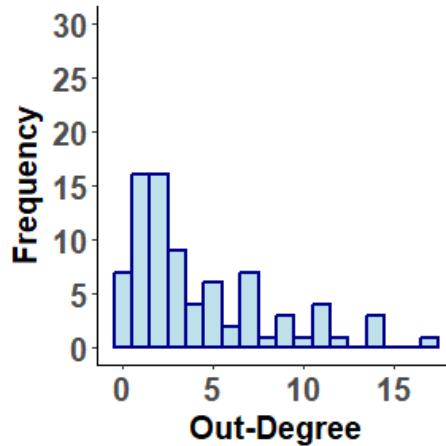
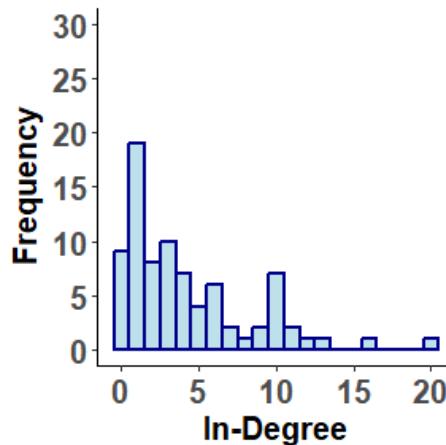
05. Napoli Vs. Milan

• Player Metrics

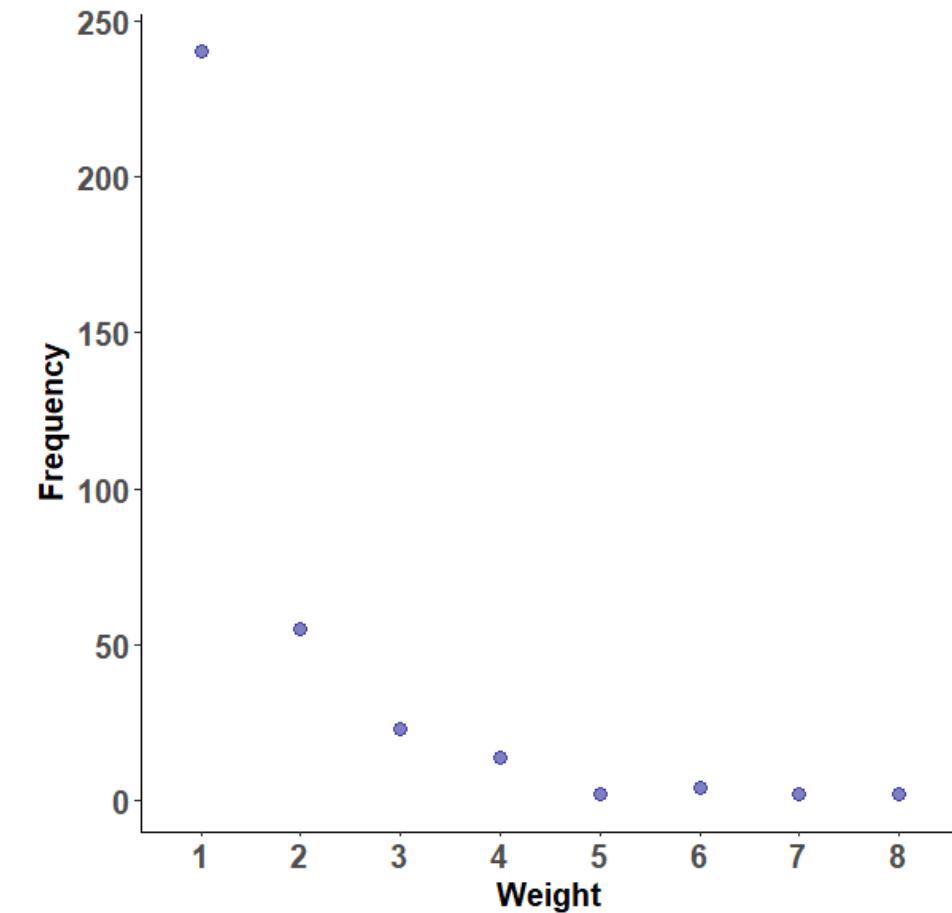
	Clustering coefficient	Betweenness centrality	Closeness centrality - in	Closeness centrality - out
Kim	0.933	0.008	0.750	0.714
Juan Jesus	0.697	0.088	0.789	0.789
Mario Rui	0.818	0.027	0.714	0.750
Elmas	0.972	0.006	0.714	0.714
Rrhamani	0.692	0.090	0.789	0.750
Simeone	0.705	0.046	0.789	0.789
Di Lorenzo	0.659	0.150	0.833	0.938
Lobotka	0.972	0.002	0.577	0.714
Anguissa	0.615	0.037	0.789	0.750
Meret	0.800	0.013	0.714	0.652
Zielinski	0.818	0.004	0.714	0.652
Politano	0.667	0.001	0.577	0.500
Kvaratskhelia	0.800	0.014	0.600	0.556
Raspadori	0.571	0.019	0.625	0.625
Ndombele	0.722	0.023	0.652	0.652
Lozano	0.733	0.001	0.517	0.625

05. Napoli Vs. Milan

- In-Degree & Out-Degree Distribution

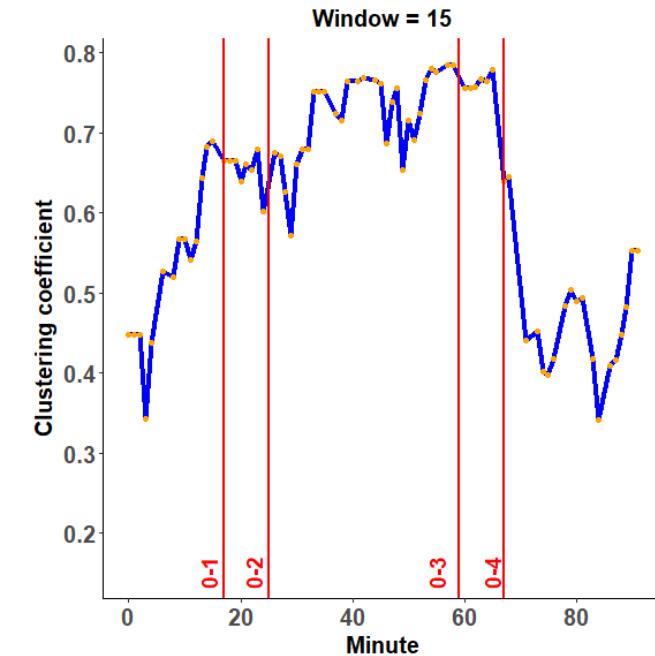
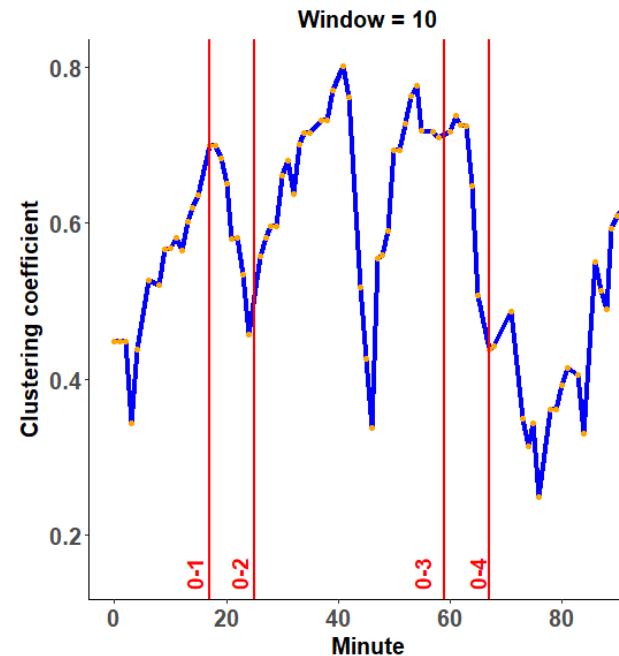
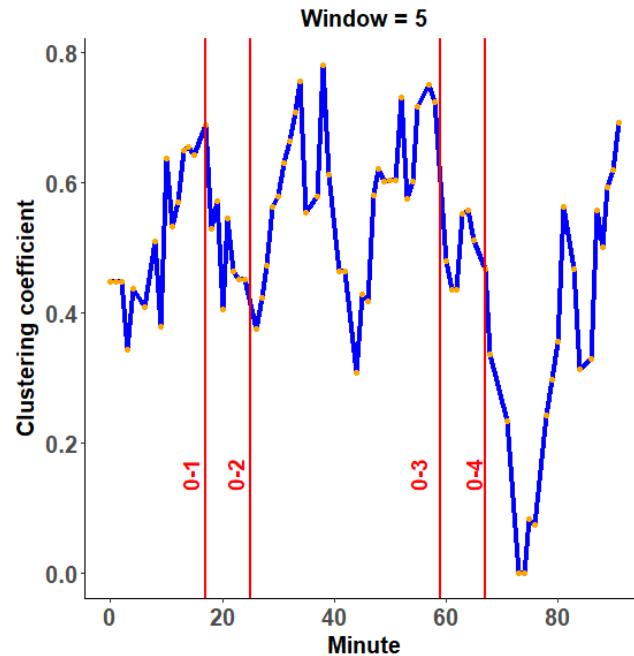


- Strength Distribution



05. Napoli Vs. Milan

- **Clustering Coefficient**



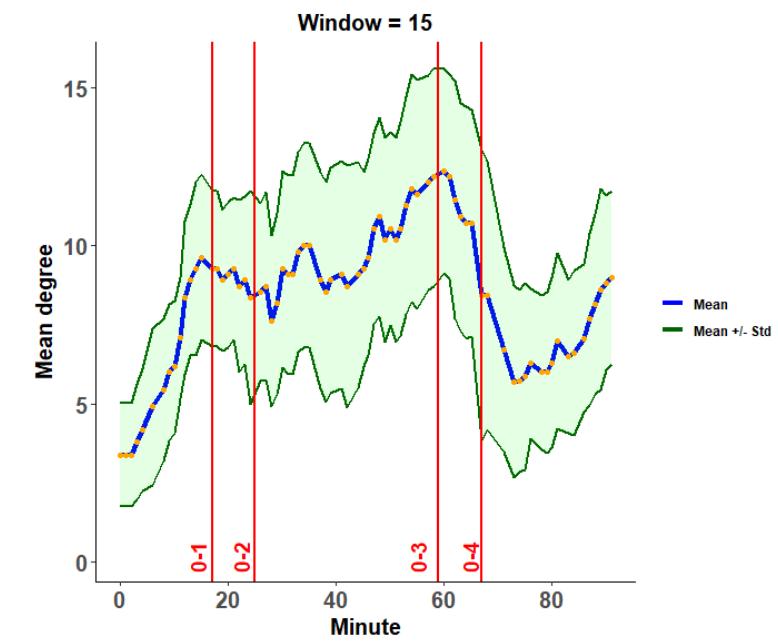
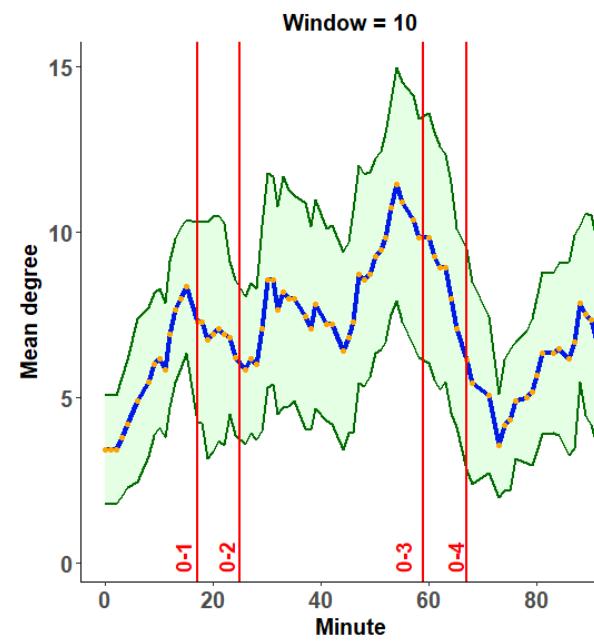
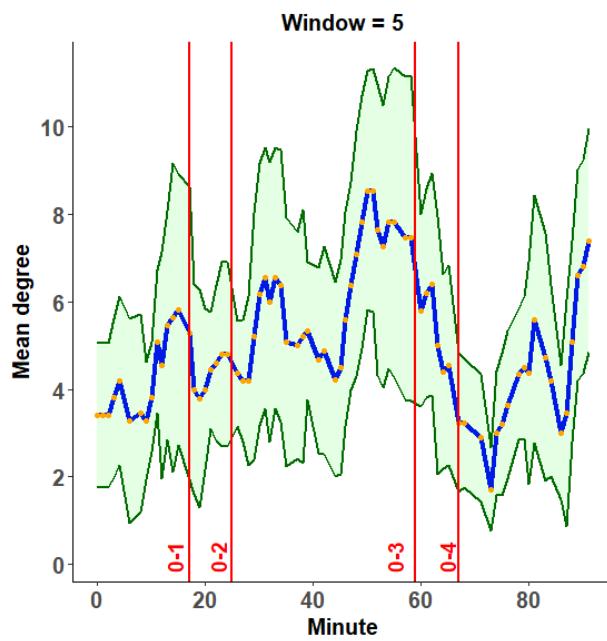
- Even before conceding a goal, **Napoli** have a high **ball possession** value, this is due to the **setting of the match**.
- In fact, **Spalletti's team** always had ball possession and **commanded** the **game** during the match, but **Milan** were good at starting off on the **counterattack** and reaching goal with just a few passes and taking advantage of **Leao's speed**.

- **X-axes:** Minute of the match [0;93]
- **Y-axes:** Clustering Coefficient

Red Line: Milan goals

05. Napoli Vs. Milan

- **Mean and Node Degree**



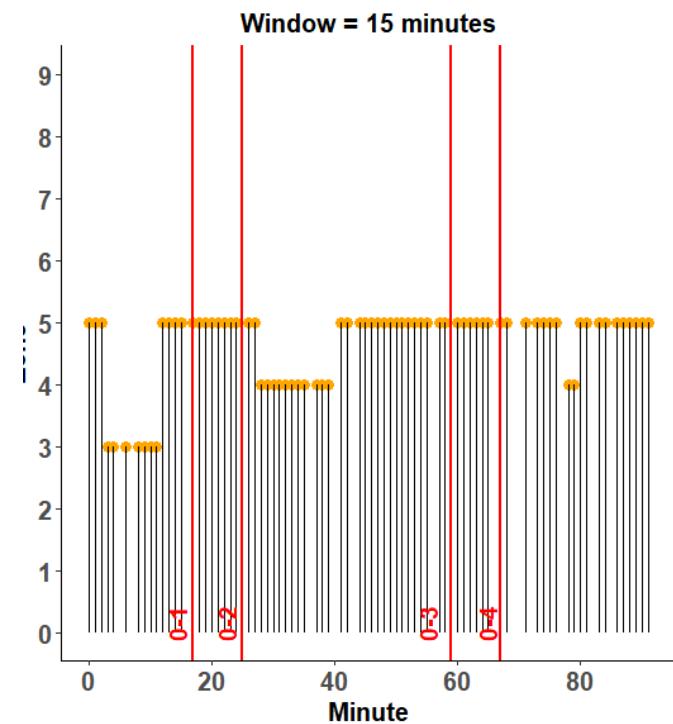
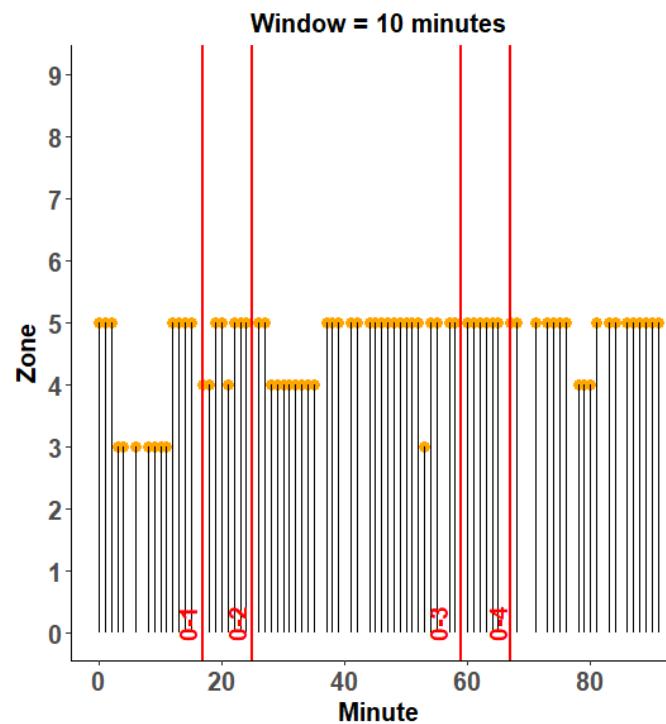
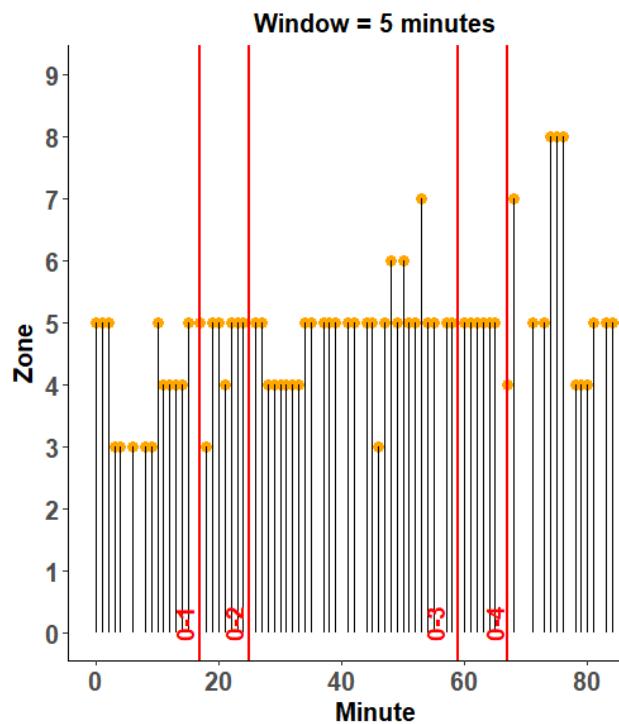
- The **green area** is the variability of the mean degree, represented by one **standard deviation** above and below the mean value.
- The value of the mean degree drops immediately before the Milan goals.

- **X-axes:** Minute of the match [0;93]
- **Y-axes:** Mean Node Degree

Red Line: Milan goals

05. Napoli Vs. Milan

- Zone of the Player with highest degree

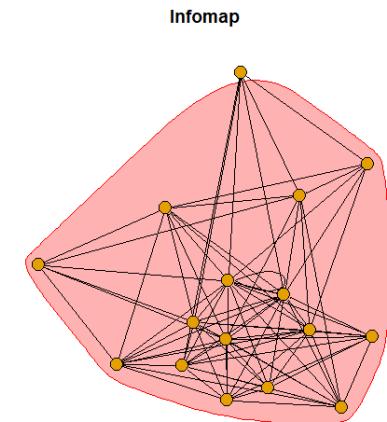
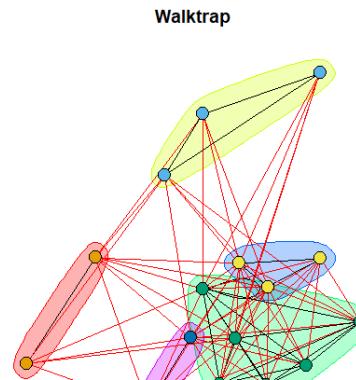
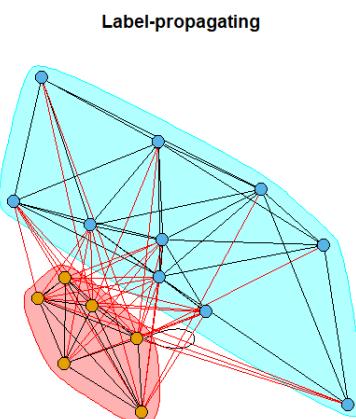
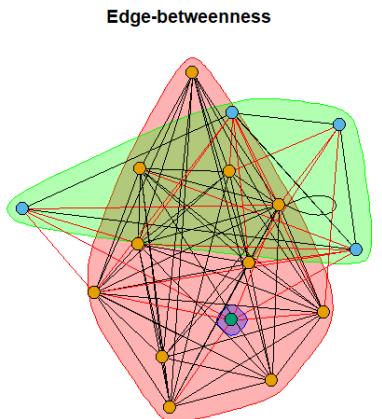


- X-axes: Minute of the match [0;93]
- Y-axes: Zone of the field

Red Line: Milan goals

05. Napoli Vs. Milan

- **Community Detection** for the complete match



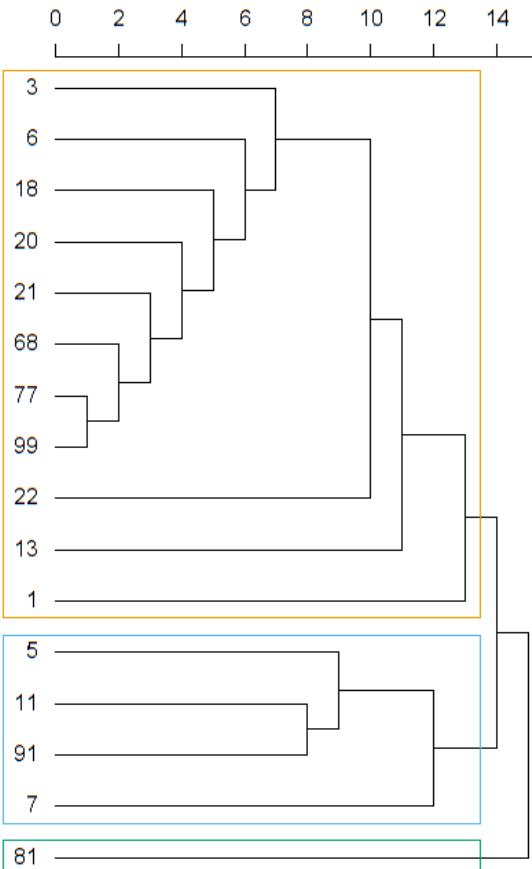
05. Napoli Vs. Milan

- **Edge-Betweenness:** interesting results

Kim
Mario Rui
Simeone
Zielinski
Politano
Lobotka
Kvaratskhelia
Anguissa
Di Lorenzo
Rrhamani
Meret

Juan Jesus
Lozano
Ndombele
Elmas

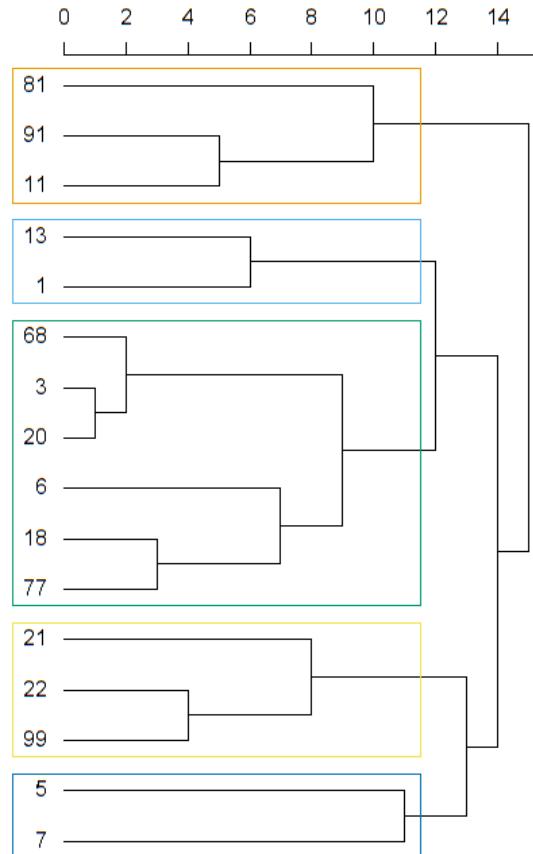
Raspadori



- Interestingly **Simeone** (striker) is within the community with the other players. This confirms the fact that Napoli, having the midfield blocked by pressure from Milan, have sought **more times** for the first striker than they did with **Osimhen** in Napoli Juventus.
- This is also due to the characteristics of **Simeone**, who is **better** at **ball and foot** and therefore at playing with his teammates, compared to **Osimhen** (finalizer).
- This community is characterized by **players** who have entered the match in progress and who have **touched the fewest balls**. **Raspadori** finds himself **isolated** within a community, as happened with **Osimhen** in Napoli - Juventus.

05. Napoli Vs. Milan

- **Walktrap:** interesting results



- This community is characterized by the **players** in the **centre-left** area of the pitch, often involved together during the ball possession phase.
- Same speech as the **previous community**, but with **players** from the **right side** of the field.

05. Napoli Vs. Milan

- **Label-propagatin:** interesting results

Kim
Mario Rui
Simeone
Lobotka
Zielinski
Kvaratskhelia

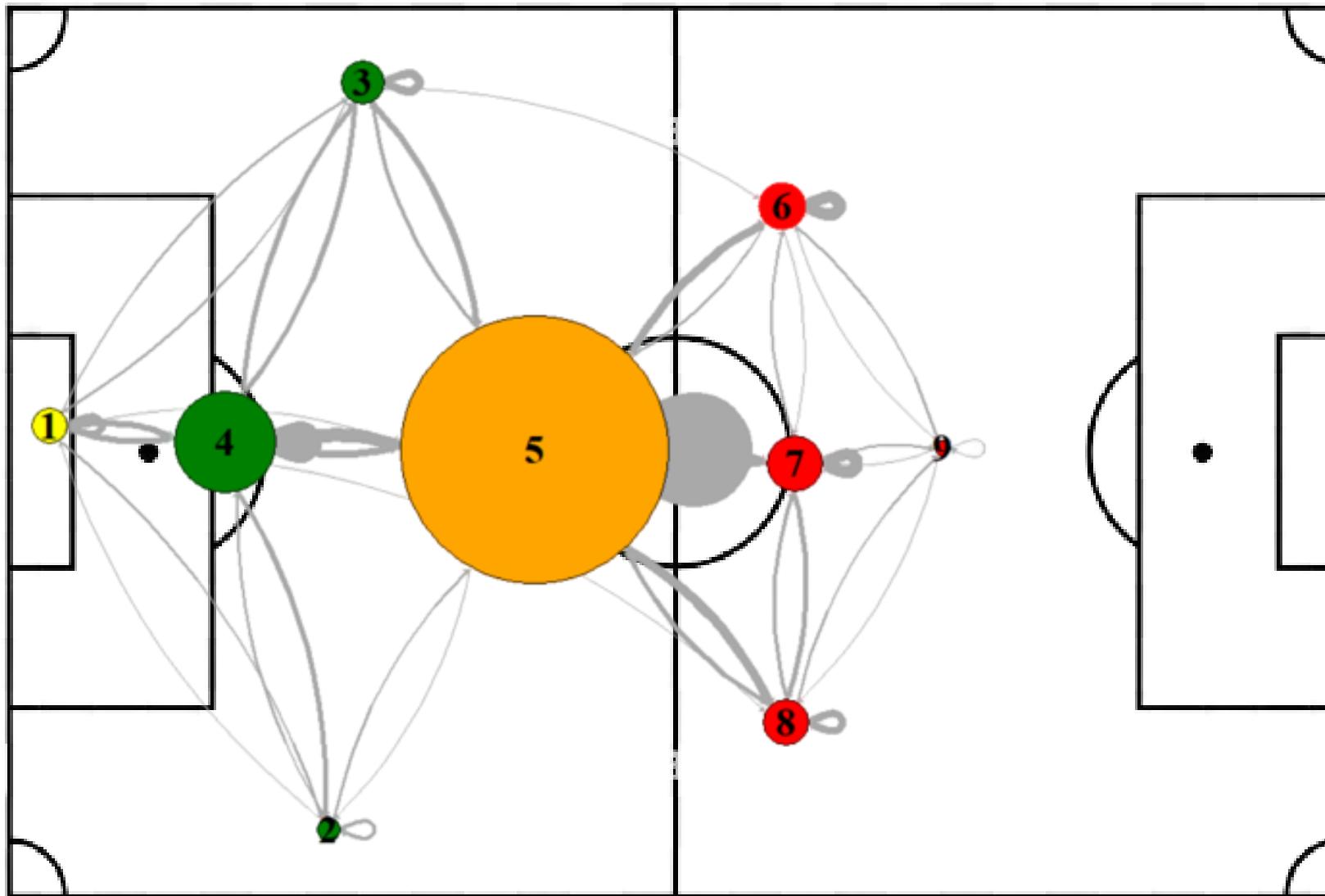
- This community is characterized by the **players** in the **centre-left** area of the pitch, often involved together during the ball possession phase.

Juan Jesus
Elmas
Rrhamani
Di Lorenzo
Anguissa
Meret
Politano
Raspadori
Ndombele
Lozano

- Same speech as the **previous community**, but with **players** from the **right side** of the field.

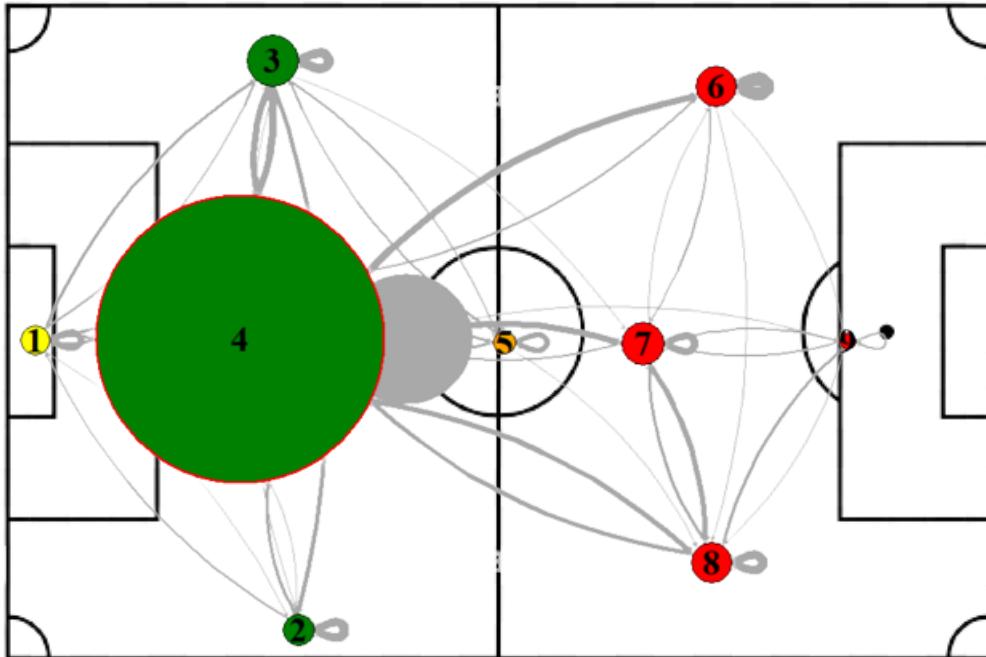
05. Napoli Vs. Milan

- **Zone Network**

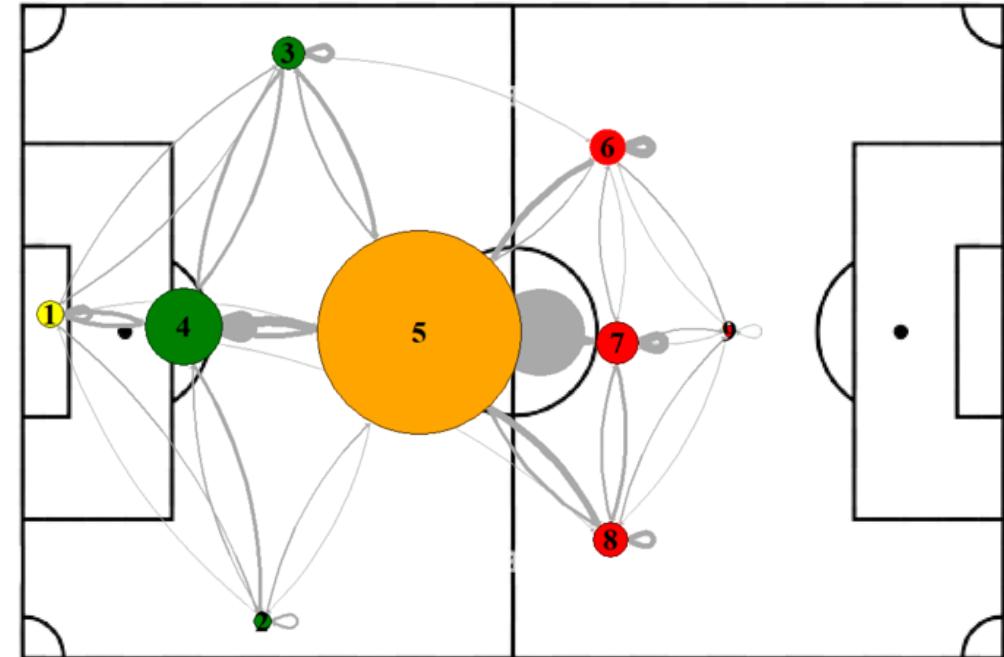


Zone Network

Napoli - Juventus



Napoli - Milan

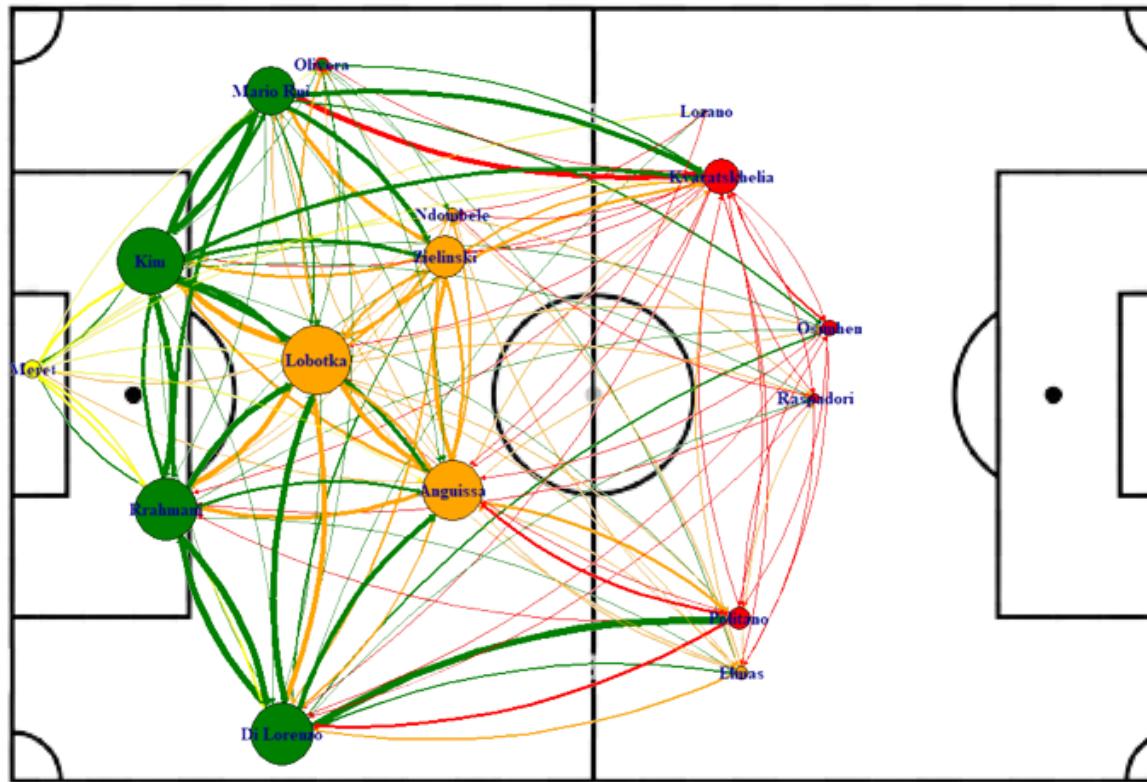


Interesting Aspects:

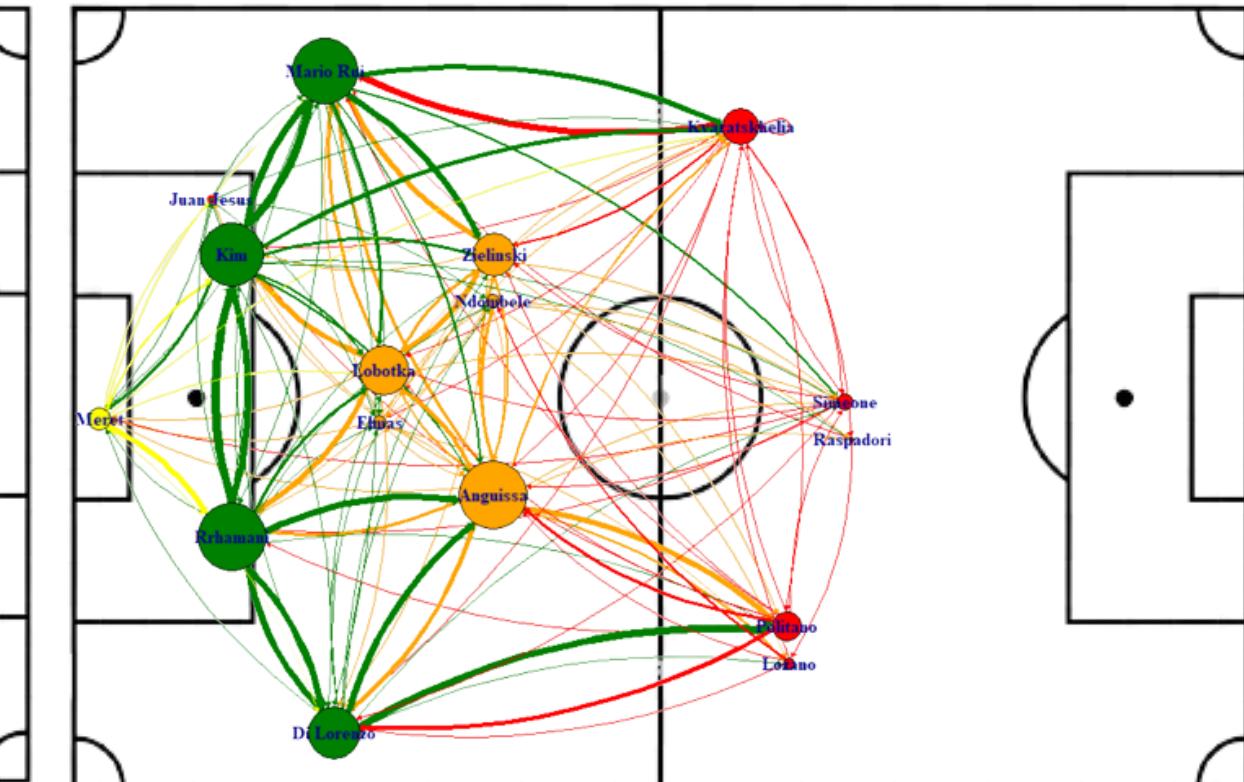
- Juve very low, **Napoli high defense** and continuous possession in **zone 4**.
- Greater **full-back involvement**.
- Very **physical** and hard-fought **match**, with a lot of **intensity** in **zone 5**
- **Little space** on the **wingers**.

Passing Network

Napoli - Juventus



Napoli - Milan



Summary

Strengths

- Dribble and technical players
- Ball possession
- Depth attack with Osimhen
- High defense

Weaknesses

- Lack of depth without Osimhen
- Finding alternative exits when the midfield is under pressure
- Lobotka blocked, one of the two central defenders could become the playmaker or Zielinski.



SAPIENZA
UNIVERSITÀ DI ROMA

LET'S TAKE A STEP BACK: THE KEY MEN



Giovanni Di Lorenzo



Stanislav Lobotka

The unexpected championship

Let's take a step back: 2022, August

Incoming:

Player	Team	Cost
Min-jae Kim	Fenerbahce	18,05 mln €
Mathías Olivera	Getafe CF	16,50 mln €
Frank Anguissa	FC Fulham	16,00 mln €
Khvicha Kvaratskhelia	Dinamo Batumi	11,50 mln €
Giacomo Raspadori	Sassuolo	Spesa prestito: 5,00 mln €
Leo Östigard	Brighton	5,00 mln €
Giovanni Simeone	Verona	Spesa prestito: 3,50 mln €
Tanguy Ndombélé	Tottenham	Spesa prestito: 500 mila €
Salvatore Sirigu	Genoa	gratuito
Pierluigi Gollini	Atalanta	Prestito
Bartosz Bereszynski	Sampdoria	Prestito

Tot. : **76.05 mln**

Outgoing:

Player	Team	Cost
Kalidou Koulibaly	Chelsea	38,00 mln €
Fabián Ruiz	Paris SG	23,00 mln €
Arkadiusz Milik	Marsiglia	8,00 mln €
Gennaro Tutino	Parma	5,00 mln €
Adam Ounas	Lille	3,00 mln €
Andrea Petagna	Monza	Spesa prestito: 2,50 mln €
Sebastiano Luperto	Empoli	Spesa prestito: 500 mila €
Franco Ferrari	Vicenza	450 mila €
Francesco Mezzoni	Ancona	Prestito
Kévin Malcuit	Ankaragücü	gratuito
Dries Mertens	Galatasaray	gratuito
Zinédine Machach	Ionikos Nikeas	gratuito
Lorenzo Insigne	Toronto	gratuito
Salvatore Sirigu	Fiorentina	gratuito
David Ospina	Al-Nassr FC	gratuito
Nikita Contini	Sampdoria	Prestito
Alessandro Zanoli	Sampdoria	Prestito

Source: [transfermarkt](#)

Tot. : **80.45 mln**

Nobody believed it

2022, August



Source: [Sky Sport](#)



Source: [Eurosport](#)



Source: [La Gazzetta Dello Sport](#)

- L'addio dei campioni e la protesta contro la società: [Il Fatto Quotidiano](#)
- Malcontento dei tifosi, disinteresse verso il Napoli: [Corriere Dello Sport](#)

The more I spend ≠ the more I win

Economic value of the teams:

SOCIETÀ - SERIE A 21/22					
Società	Rosa ↑	ø-età ↑	Stranieri ↑	ø-valore di mercato ↑	Valore rosa/e ↑
JU Juventus FC	43	25,0	24	14,94 mln €	642,50 mln €
INTER Inter	36	27,2	20	15,52 mln €	558,55 mln €
AC Milan	37	25,3	22	14,78 mln €	546,95 mln €
SSC Napoli	37	25,3	20	12,90 mln €	477,23 mln €
Atalanta	44	24,5	24	9,06 mln €	398,75 mln €
AS Roma	39	23,8	25	9,78 mln €	381,25 mln €
ACF Fiorentina	38	25,4	22	8,57 mln €	325,80 mln €
SS Lazio	34	27,2	24	7,78 mln €	264,48 mln €
US Sassuolo	43	25,0	22	5,84 mln €	251,00 mln €
Torino FC	41	24,8	25	5,45 mln €	223,40 mln €

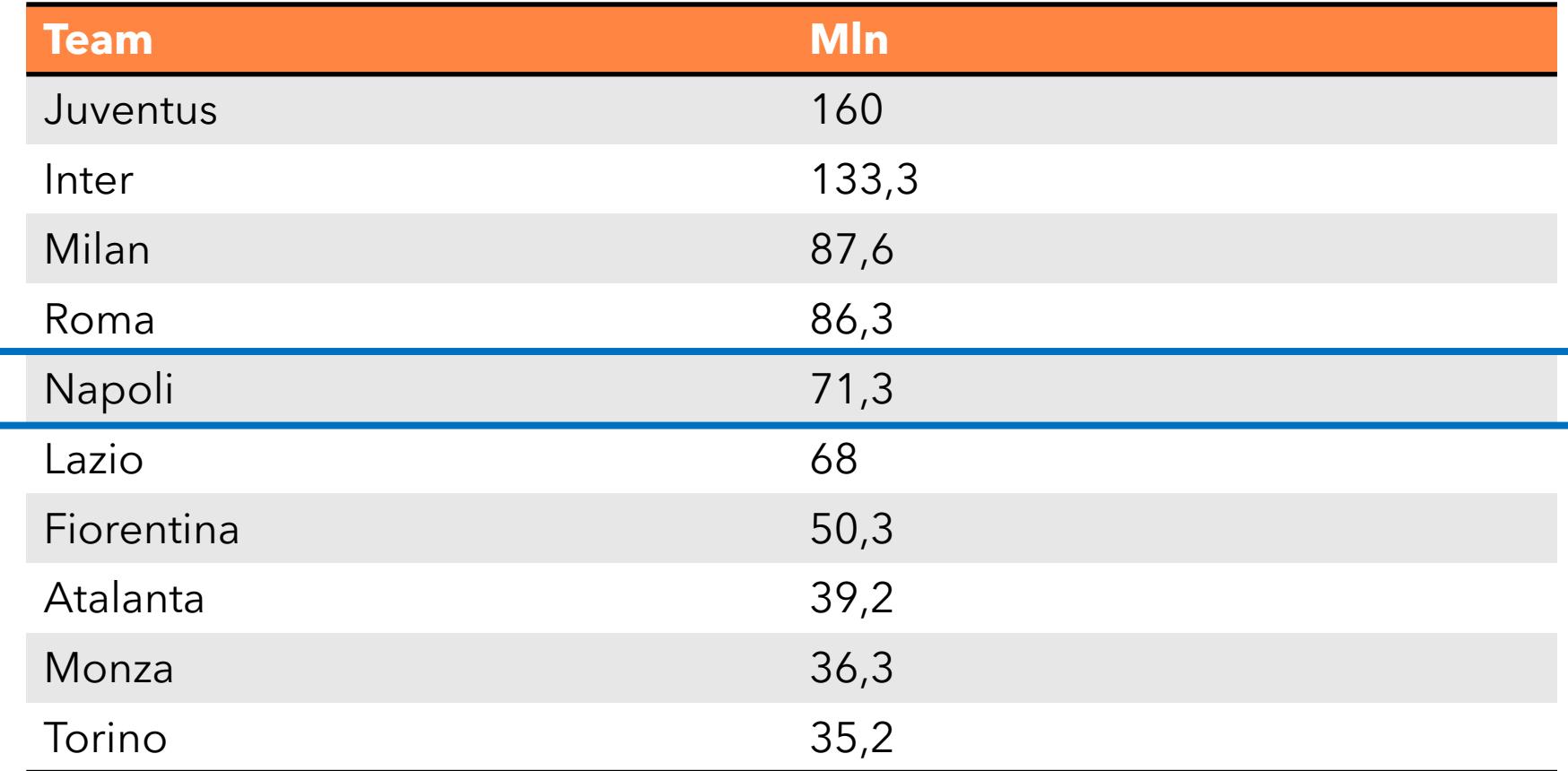
SOCIETÀ - SERIE A 22/23					
Società	Rosa ↑	ø-età ↑	Stranieri ↑	ø-valore di mercato ↑	Valore rosa/e ↑
SSC Napoli	27	26,3	19	23,72 mln €	640,50 mln €
Inter	27	28,5	16	20,61 mln €	556,40 mln €
AC Milan	30	27,1	24	18,08 mln €	542,35 mln €
JU Juventus FC	28	27,1	17	15,16 mln €	424,60 mln €
Atalanta	25	26,7	17	12,81 mln €	320,30 mln €
AS Roma	28	26,3	19	11,07 mln €	309,95 mln €
SS Lazio	26	27,3	16	10,08 mln €	262,05 mln €
ACF Fiorentina	26	26,6	14	9,26 mln €	240,80 mln €
Torino FC	28	24,7	23	6,37 mln €	178,35 mln €
UDinese Calcio	27	25,6	22	6,13 mln €	165,50 mln €

Source: [transfermarkt](#)

- Lo Scudetto delle idee: [Il Mattino](#)
- Si vince con le idee, non con i soldi: [Gazzetta dello Sport](#)

The more I spend ≠ the more I win

Mount Engagements:



Source: [OAsport](#)

06. Miracle Man: Luciano Spalletti

Profile:

Data di nascita:	07/mar/1959
Luogo di nascita:	Certaldo 
Età:	64
Nationalità:	 Italia
ø-Tempo in carica da allenatore:	1,54 anni
Licenza:	Licenza Pro UEFA
Modulo più utilizzato:	4-3-3



Performance:

Competizione	Partite ↴	V ↴	P ↴	S ↴	Punti ↴	PPP ↴
 Serie A	38	28	6	4	90	2,37
 UEFA Champions League	10	7	1	2	22	2,20
 Coppa Italia	1	-	-	1	-	0,00
Total:	49	35	7	7	112	2,29

Source: [transfermarkt](#)

«Uomini forti, destini forti.
Uomini deboli, destini deboli.
Non c'è altra strada»

- Napoli dei miracoli ha fatto vincere anche me: [ANSA](#)
- Analisi tattica del Napoli di Luciano Spalletti: [Asso Analisti](#)

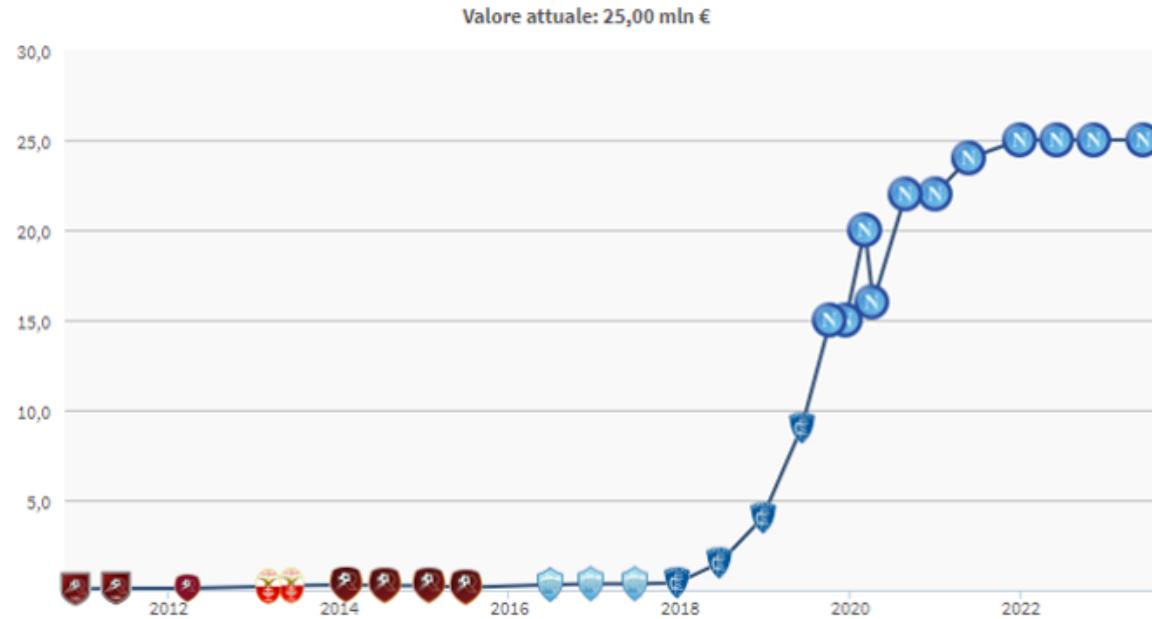
07. Giovanni Di Lorenzo

Info

Data di nascita:	04/ago/1993
Luogo di nascita:	Castelnuovo di Garfagnana
Età:	29
Altezza:	1,83 m
Nazionalità:	Italia
Posizione:	Difesa - Terzino destro
Piede:	destro
Procuratore:	M.A.R.A.T. Football ...
Squadra attuale:	SSC Napoli
In rosa da:	01/lug/2019
Scadenza:	30/giu/2026
Ultimo prolungamento:	15/lug/2021
Fornitore:	Puma
Social Media:	



Market Value



Source: [transfermarkt](#)

- L'importanza del capitano: [SkySport](#)
- Il segreto del Napoli, i terzini: [Ultimo Uomo](#)



07. Giovanni Di Lorenzo



Serie A 2022/23 right-backs statistics

- **1th** for **attendance** (37 of 38)
- **2th** for attendance **starting from the beginning** (36)
- **2th** for **minutes played** (3257)
- **4th** for **shots on goal** (13)
- **3th** for **accuracy passes** (1966)
- **4th** for **key passages** (47)
- **2th** for **Clean Sheet** (18)

Performance:

Competizione	Giocato	Giocate	Giocate	Giocate	Giocate	Giocate	Totali
Serie A	37	3	4	2	-	-	3.257'
Champions League	10	2	2	2	-	-	890'
Coppa Italia	-	-	-	-	-	-	-
Totale 22/23:	47	5	6	4	-	-	4.147'

Source: [transfermarkt](#)

- Le statistiche di G. Di Lorenzo: [Wallabies](#), [Kickest](#)

07. Giovanni Di Lorenzo

Compared to other right-backs in Europe
Value Market (**Mln**)



Min: Minuti Giocati
Gialli: Cartellini Gialli
PP %: Prec. Pass. %

Gol: Totale Gol
Rossi: Cartellini Rossi
Duello Aerei: Duelli Aerei Vinti a Partita

Assist: Totale Assist
TaP: Tiri a Partita
UP: Uomo Partita

- **1th** for **attendance** (37 of 38)
- **1th** for **minutes played** (3257)
- **2th** for **accuracy passes** (86%)
- **1th** for **dogfight** (1.1)
- **1th** for **MOM** (Man of the Match) (5)
- **3th** **Kickest Rating:** 7.04

Source: [transfermarkt](#), [WhoScored](#)

07. Stanislav Lobotka

Info

Data di nascita:	25/nov/1994
Luogo di nascita:	Trenčín 🇸🇰
Età:	28
Altezza:	1,70 m
Nazionalità:	🇸lovakia
Posizione:	Centrocampo - Mediano
Piede:	entrambi
Procuratore:	FairSport ✅
Squadra attuale:	(ssc Napoli)
In rosa da:	15/gen/2020
Scadenza:	30/giu/2027
Info contratto:	Opz. rinnovo: 1 anno (società)
Ultimo prolungamento:	15/mar/2023
Social Media:	Instagram



Market Value



Source: [transfermarkt](#)

- Stavo pensando di lasciare Napoli, ma poi...: [Corriere dello Sport](#)
- La rinascita di Lobotka: [Calcio Napoli](#)

07. Stanislav Lobotka

Serie A 2022/23 midfielders statistics

- **1th** for **attendance** (38 of 38)
- **4th** for attendance **starting from the beginning** (34)
- **2th** for **minutes played** (3111)
- **4th** for **tackles won** (84)
- **4th** for **clean sheet** (15)



RENDIMENTO 22/23							
Compatto	Esteso						
Competizione	H	+	-	G	Y	R	L
Serie A	37	3	4	2	-	-	3.257'
Champions League	10	2	2	2	-	-	890'
Coppa Italia	-	-	-	-	-	-	-
Total 22/23:	47	5	6	4	-	-	4.147'

Source: [transfermarkt](#)

- L'importanza di Lobotka: [Ultimo Uomo](#)

07. Stanislav Lobotka

Comparison with other midfielders in Europe



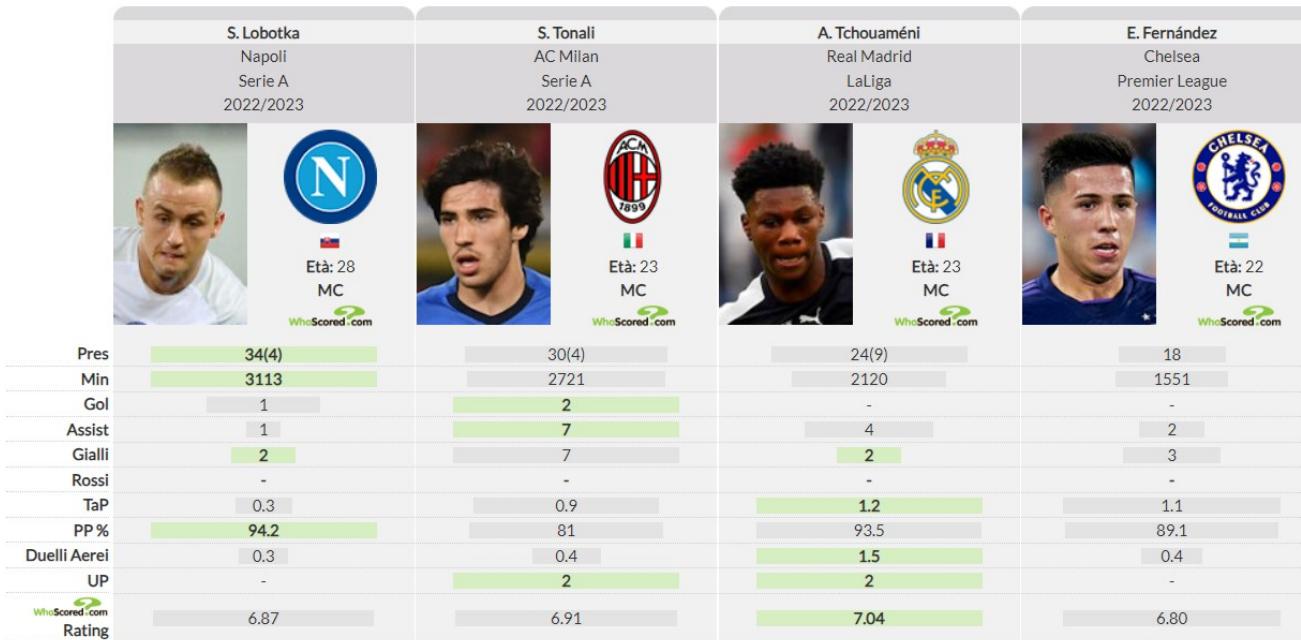
Value Market (**Mln**)

40

50

85

80



Min: Minuti Giocati
Gialli: Cartellini Gialli
PP %: Prec. Pass. %

Gol: Totale Gol
Rossi: Cartellini Rossi
Duelli Aerei: Duelli Aerei Vinti a Partita

Assist: Totale Assist
TaP: Tiri a Partita
UP: Uomo Partita

- **1th** for **attendance** (38 of 38)
- **1th** for **minutes played** (3113)
- **1th** for **yellow cards** (2)
- **1th** for **accuracy passes** (94.2)
- **3th** **Kickest Rating:** 6.87

Source: [transfermarkt](#), [WhoScored](#)

08. Conclusions and Future Works

Strengths

- Dribble and technical players
- Ball possession
- Depth attack with Osimhen
- High defense

Weaknesses

- Lack of depth without Osimhen
- Finding alternative exits when the midfield is under pressure
- Lobotka blocked, one of the two central defenders could become the playmaker or Zielinski.

Future Works:

- Using an automatic approach for data extraction (Player Detection Algorithm)
- Extend this analysis to all the matches
- Analyze the opposing team



THANK YOU
FOR YOUR ATTENTION

