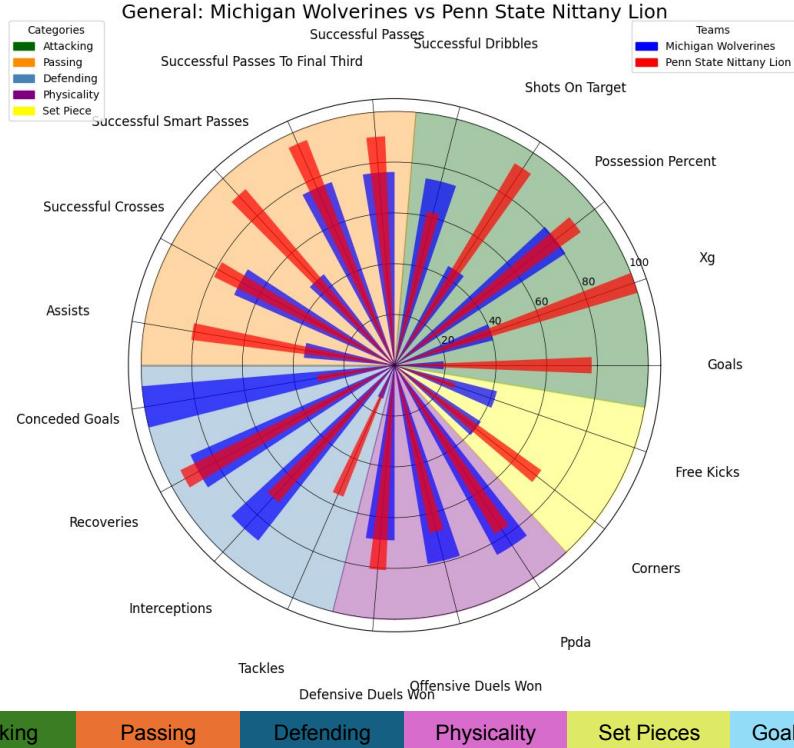


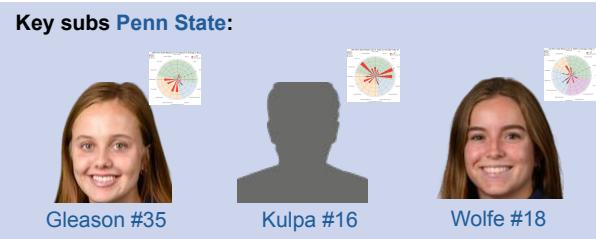
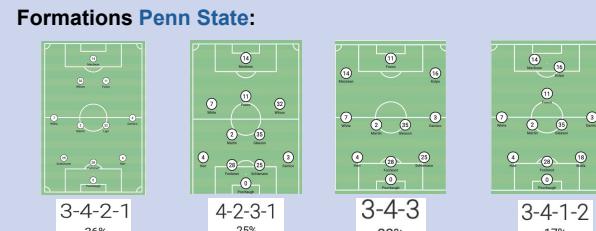
Michigan vs Penn State

Michigan	Big10	Stats are Per 90 min	Big10	Penn State
LLLLD	TBD	Form (last 5)	TBD	WWWWL
0.4	TBD	Goals	TBD	2.67
1.19	TBD	<u>Expected Goals</u>	TBD	3.12
2.2	TBD	<u>Conceded Goals</u>	TBD	0.67
52.20	TBD	<u>Possession (%)</u>	TBD	58.47%
13.40 (3.80)	TBD	<u>Shots (on goal)</u>	TBD	20.17 (8.33)
76.28%	TBD	<u>Passes Complete (accuracy %)</u>	TBD	79.16%
242.60 (15.20)	TBD	<u>Duels (per 90 minutes)</u>	TBD	232.67 (120.50)
8.18	TBD	<u>PPDA</u>	TBD	7.28



Penn State (last 5):
[9/2] W 1:0 at Princeton
[8/30] W 2:1 at Saint Louis
[8/26] W 3:1 vs West Virginia
[8/23] W 5:0 vs West Chester
[8/18] L 1:2 vs Virginia

Michigan (last 5):
[9/4] D 2:2 at Iowa State
[9/1] L 1:2 vs Ball State
[8/29] L 0:2 vs Notre Dame
[8/25] L 0:2 at Colorado
[8/18] L 0:3 at Xavier

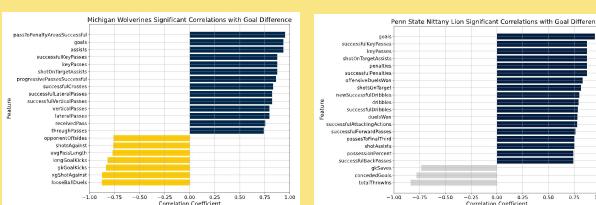


Keys to the game!

- Macbean: 7 Goals
- Fontenot: Most minutes(490), only 20 duels attempted
- Kulpa: 2 Goal, 1 Assists
- Schiemann: Most forward passes(107), 68% successful

Michigan

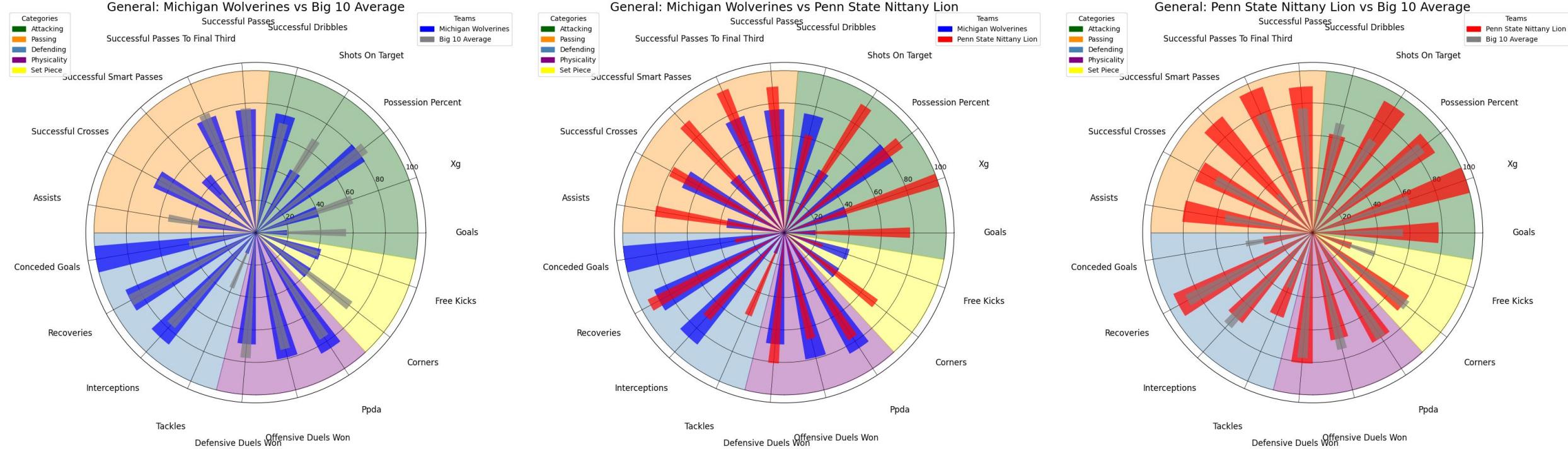
Penn State



- Win loose ball duels; Get ball into the final third; Accurate passes
- Stop their passing game; Force them into clearances and one-on-one play; Force long goal kicks

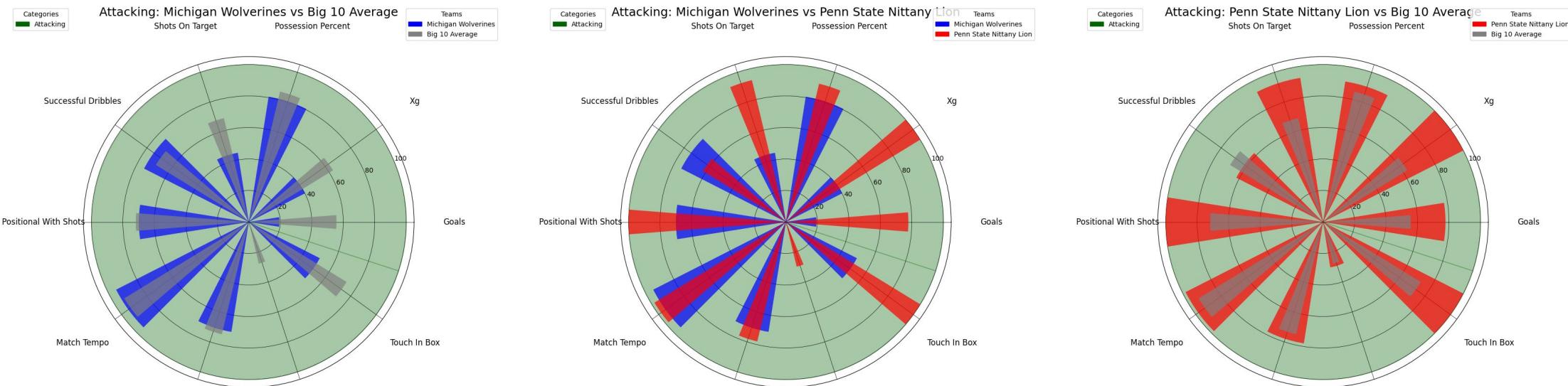
[For more details click here.](#)

Team Radar Plots

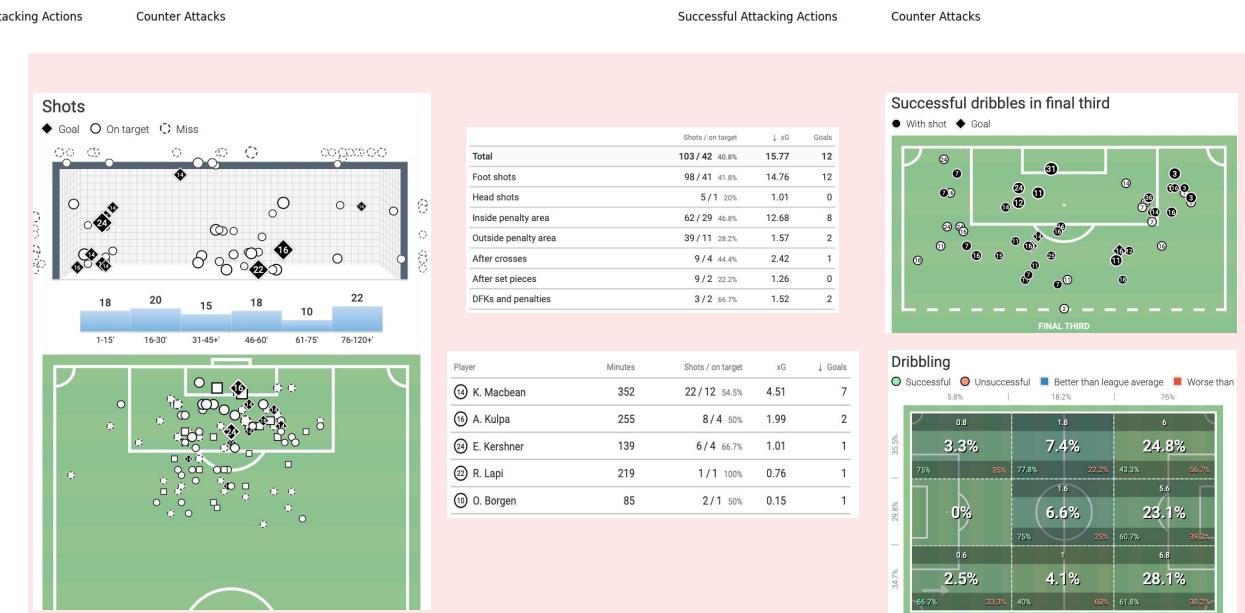


Left: Michigan vs Big 10 Average; Center: Michigan vs Penn State; Right: Penn State vs Big 10 Average

Attacking

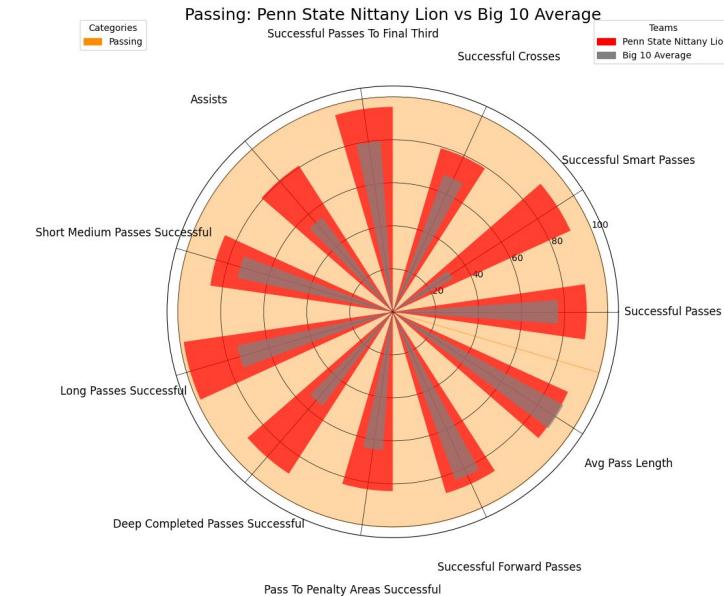
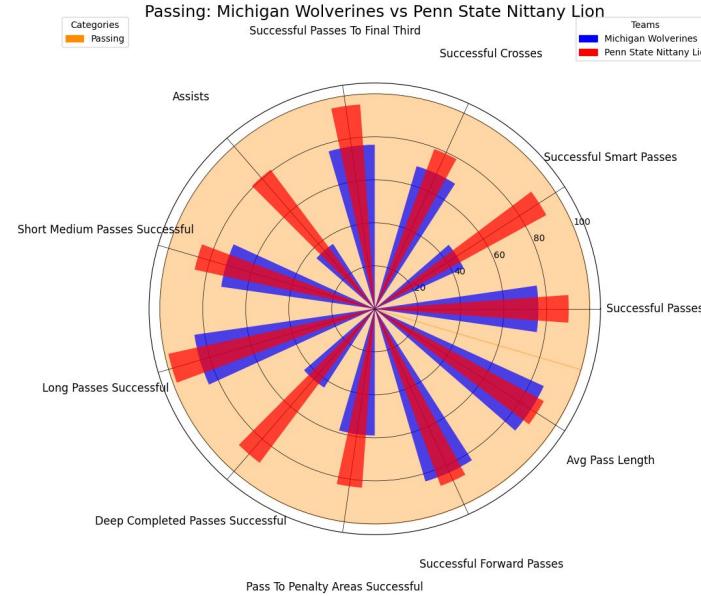
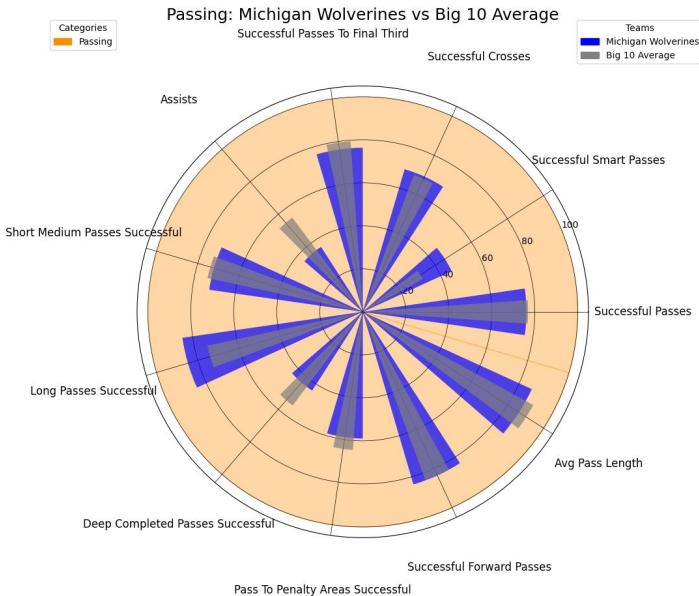


Michigan	Big10	Stats are Per 90 min	Big10	Penn State
0.4	TBD	Goals	TBD	2.67
1.19	TBD	Xgoals	TBD	3.12
52.20%	TBD	Possession	TBD	58.47%
13.4 (3.8)	TBD	Shots (on target)	TBD	20.17 (8.33)
39.60 (10.60)	TBD	Positional attaches (with shots)	TBD	43.17 (15.50)
0 (0)	TBD	Counterattacks (with shots)	TBD	0.33 (0)
0 (0)	TBD	Penalties (converted)	TBD	0.50 (0.50)
24.40 (3.20, 9)	TBD	Penalty area entries	TBD	33.17 (9, 7.5)
13.80	TBD	Touches in penalty area	TBD	28.67
2.20	TBD	Offside	TBD	2.33
14.76	TBD	Match Tempo	TBD	15.43
19.90	TBD	Average shot distance	TBD	16.67
7.80 (2)	TBD	Shots outside penalty area (accurate)	TBD	6.83 (2)



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Passing



Michigan	Big10	Stats are Per 90 min	Big10	Penn State
425 (324.2)	TBD	Passes (accurate)	TBD	490.33 (388.17)
14.40 (5.4)	TBD	Crosses (accurate)	TBD	16.67 (6.50)
4.2	TBD	Deep crosses	TBD	5.50
5.8	TBD	Deep passes	TBD	12.67
164.20 (106.60)	TBD	Forward passes (accurate)	TBD	168.50 (111.17)
63.20 (58)	TBD	Back passes (accurate)	TBD	62 (56.67)
140.40 (116)	TBD	Lateral passes (accurate)	TBD	198.33 (174.83)
61.20 (29.80)	TBD	Long passes (accurate)	TBD	69.83 (34)
58.20 (34.20)	TBD	Passes to final third (accurate)	TBD	64.83 (43.50)
82.60 (52.60)	TBD	Progressive passes (accurate)	TBD	95.50 (63.67)
4.60 (0.60)	TBD	Smart passes (accurate)	TBD	2.50 (1.67)
3.24	TBD	Average pass per possession	TBD	3.81
19.25	TBD	Average pass length	TBD	19.80

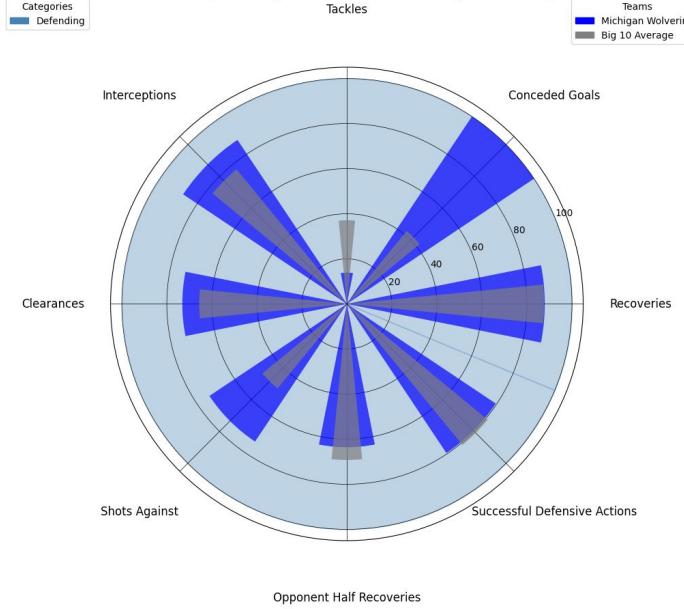


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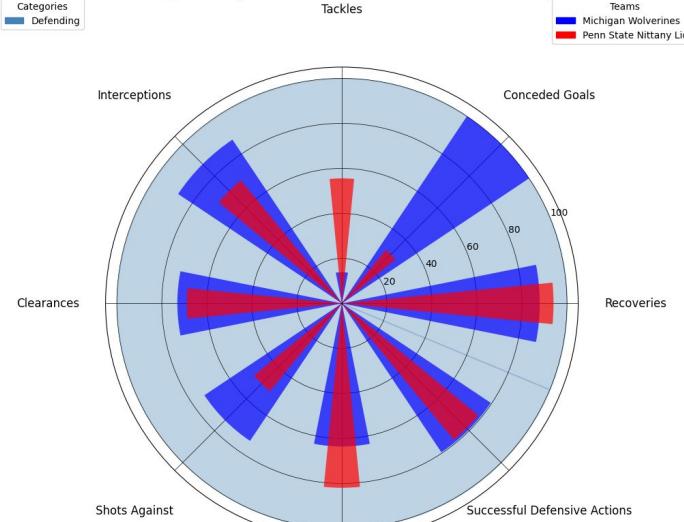
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Defending

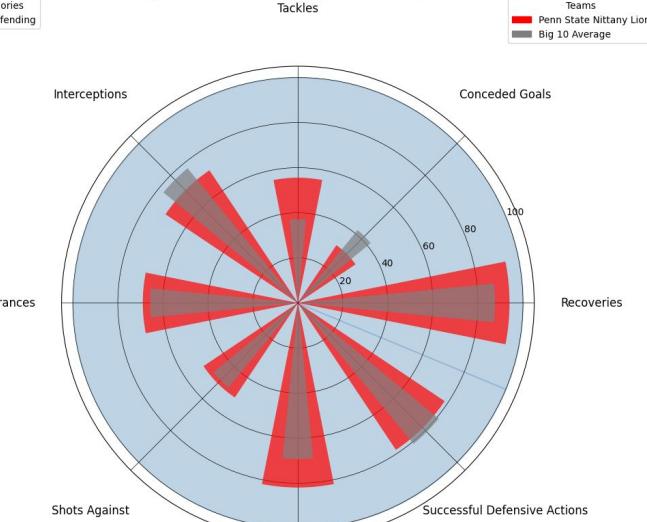
Defending: Michigan Wolverines vs Big 10 Average



Defending: Michigan Wolverines vs Penn State Nittany Lion



Defending: Penn State Nittany Lion vs Big 10 Average



Michigan	Big10	Stats are Per 90 min	Big10	Penn State
2.2	TBD	Conceded goals	TBD	0.67
16 (6.40)	TBD	Shorts against (on target)	TBD	9.50 (3)
100.80 (40.20, 46.20, 14.40)	TBD	Recoveries (low, medium, high)	TBD	107.67 (42, 44.67, 21)
1 (0.60)	TBD	Sliding tackles (successful)	TBD	3.33 (2)
49.20	TBD	Interceptions	TBD	38.67
14.60	TBD	Clearances	TBD	13.67
8.18	TBD	PPDA	TBD	7.28

Recoveries in final third

□ Positional pressing ● With shot ◆ Goal



Ball possession recoveries

■ More than league average ■ Less than league average

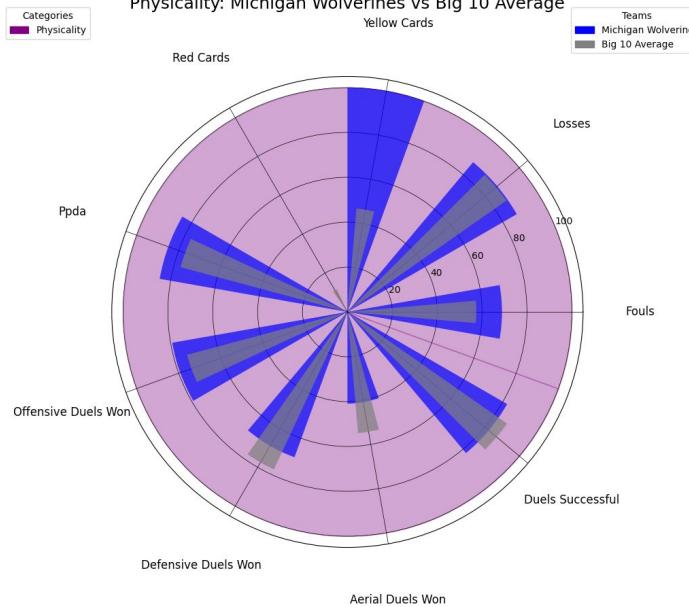


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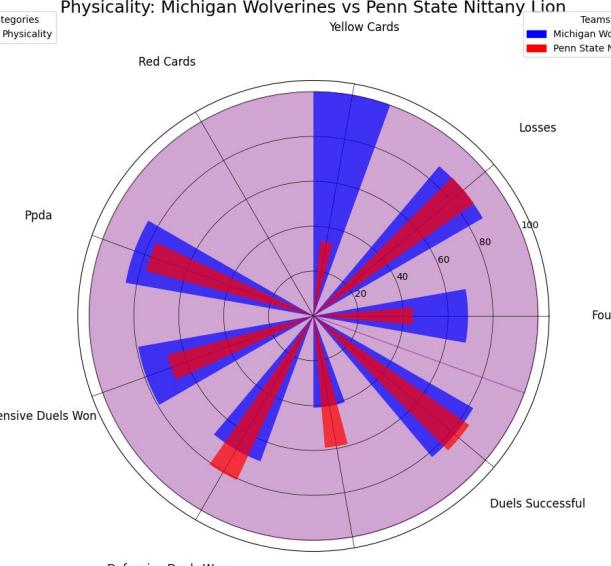
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Physicality

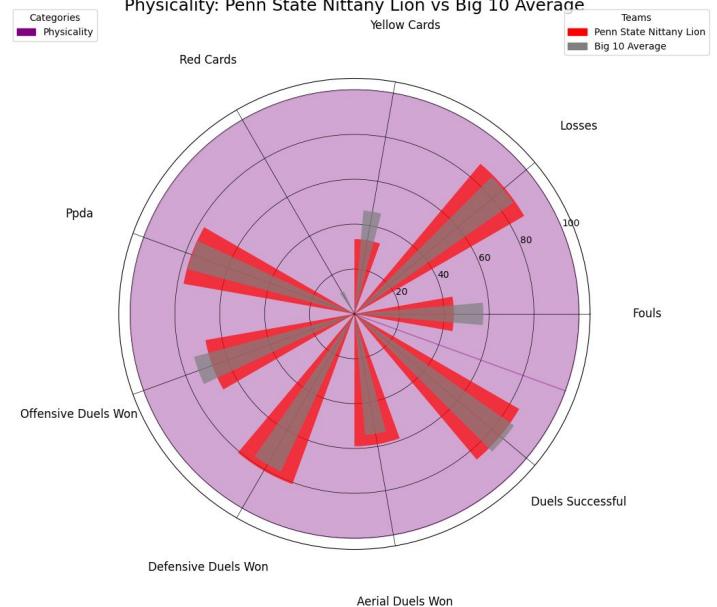
Physicality: Michigan Wolverines vs Big 10 Average



Physicality: Michigan Wolverines vs Penn State Nittany Lion



Physicality: Penn State Nittany Lion vs Big 10 Average



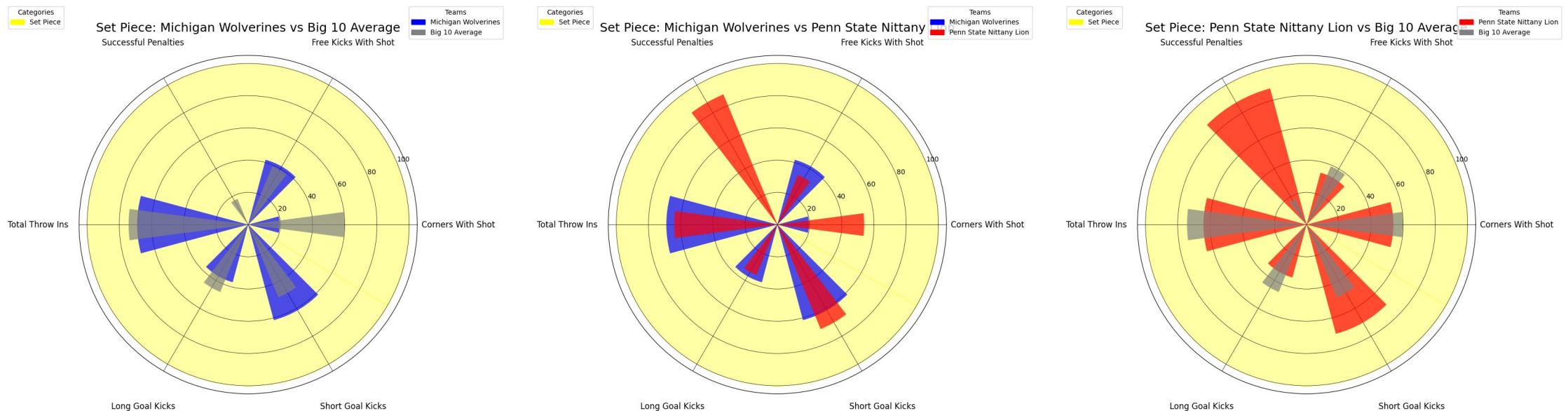
Michigan	Big10	Stats are Per 90 min	Big10	Penn State
11.40	TBD	Fouls	TBD	7.83
137.40 (24.40, 52, 61)	TBD	Losses (low, medium, high)	TBD	137.83 (24, 49.67, 64.17)
242.60 (115.20)	TBD	Duels (won)	TBD	232.67 (120.50)
88.40 (55.20)	TBD	Defensive duels (won)	TBD	77.83 (56.67)
96 (36)	TBD	Offensive duels (won)	TBD	90.17 (32.33)
27.20 (12.40)	TBD	Aerial duels (won)	TBD	35.50 (19)
1.40	TBD	Yellow cards	TBD	0.50
0	TBD	Red cards	TBD	0
8.18	TBD	PPDA	TBD	7.28



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Set Pieces



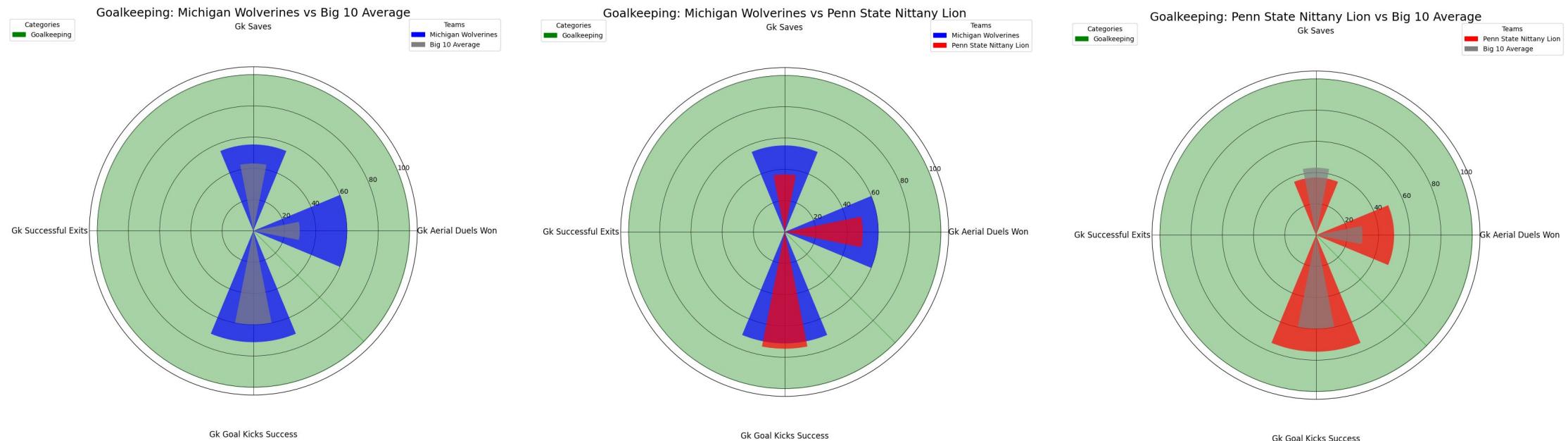
Michigan	Big10	Stats are Per 90 min	Big10	Penn State
24.20 (2.80)	TBD	Set pieces (with shots)	TBD	24.33 (4)
3 (0.80)	TBD	Corners (with shots)	TBD	5.83 (1.83)
2.20 (0.60)	TBD	Free kicks (with shots)	TBD	1.50 (0.50)
29.80 (27)	TBD	Throw ins (accurate)	TBD	28.17 (22.67)
0	TBD	Penalties	TBD	0.5 (0.5)
8.80	TBD	Goal kicks	TBD	8.50



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Goalkeeping



Michigan	Big10	Stats are Per 90 min	Big10	Penn State
0.82	TBD	Aerial Duels (Won)	TBD	0.43
3.56	TBD	Saves	TBD	1.87
1.64	TBD	Exits	TBD	1.01
4.66	TBD	Goal Kicks short	TBD	6.61
1.64	TBD	Goal Kicks Long	TBD	1.73

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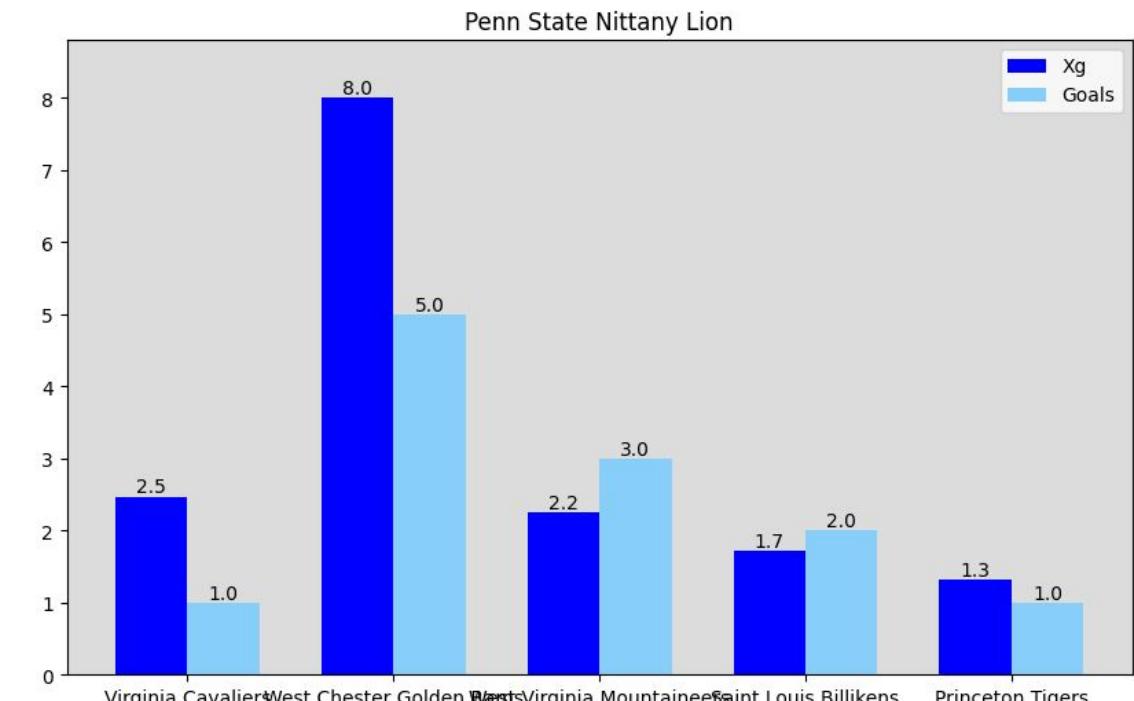
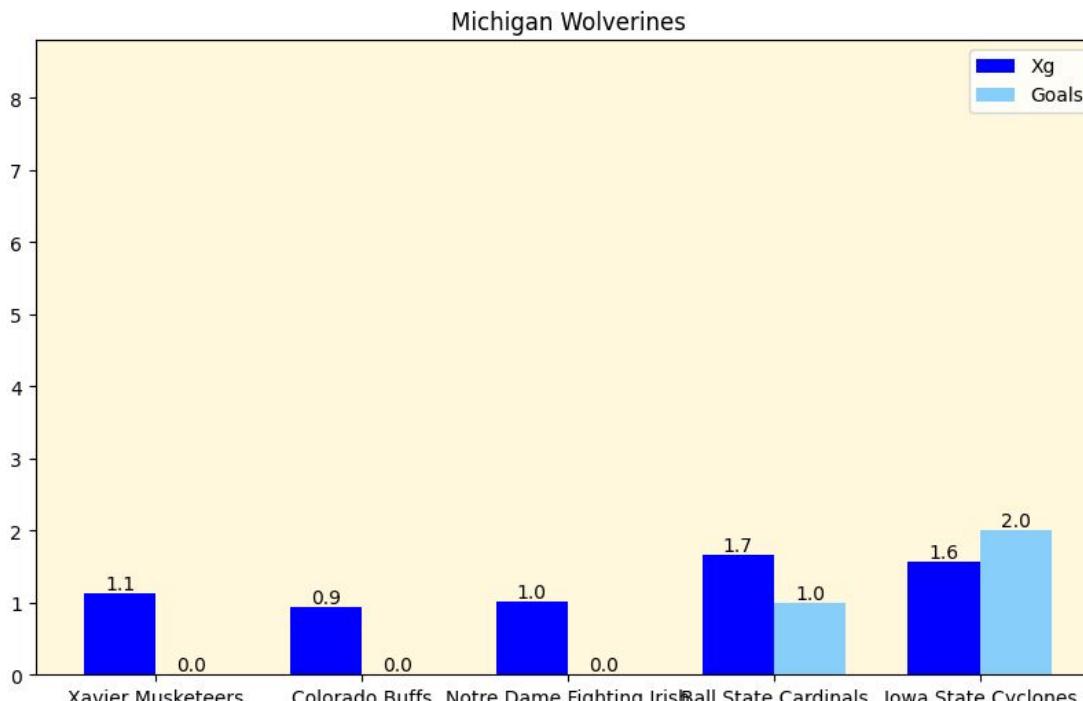
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Goals & Expected Goals

Last 5 Games: Xg vs Goals

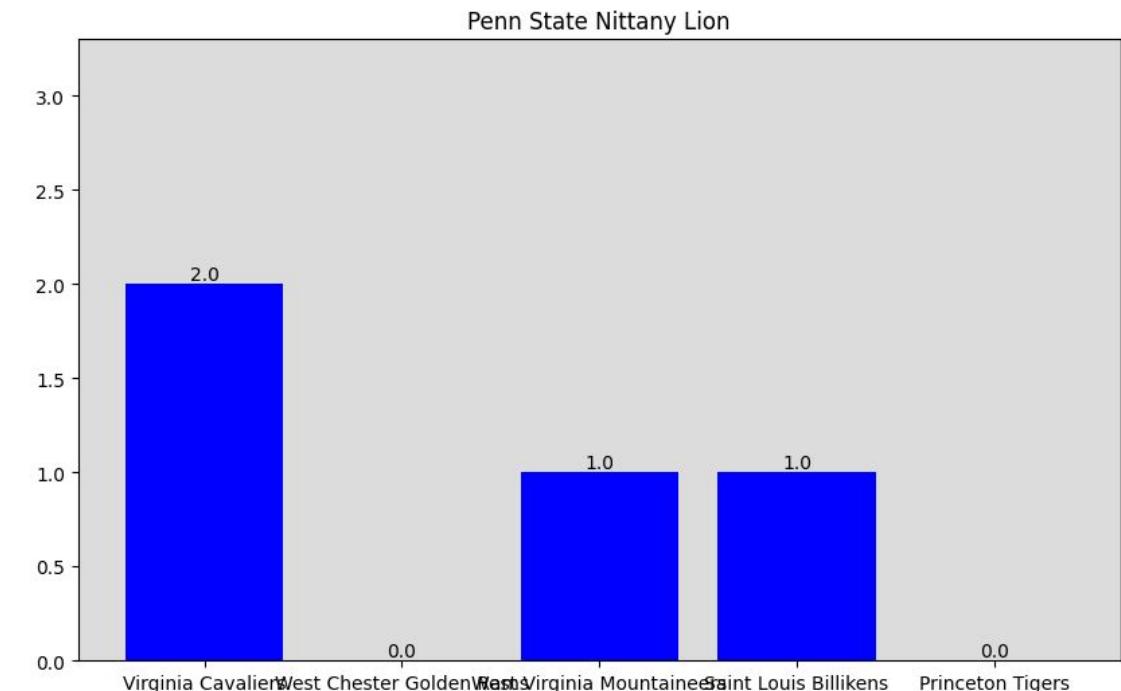
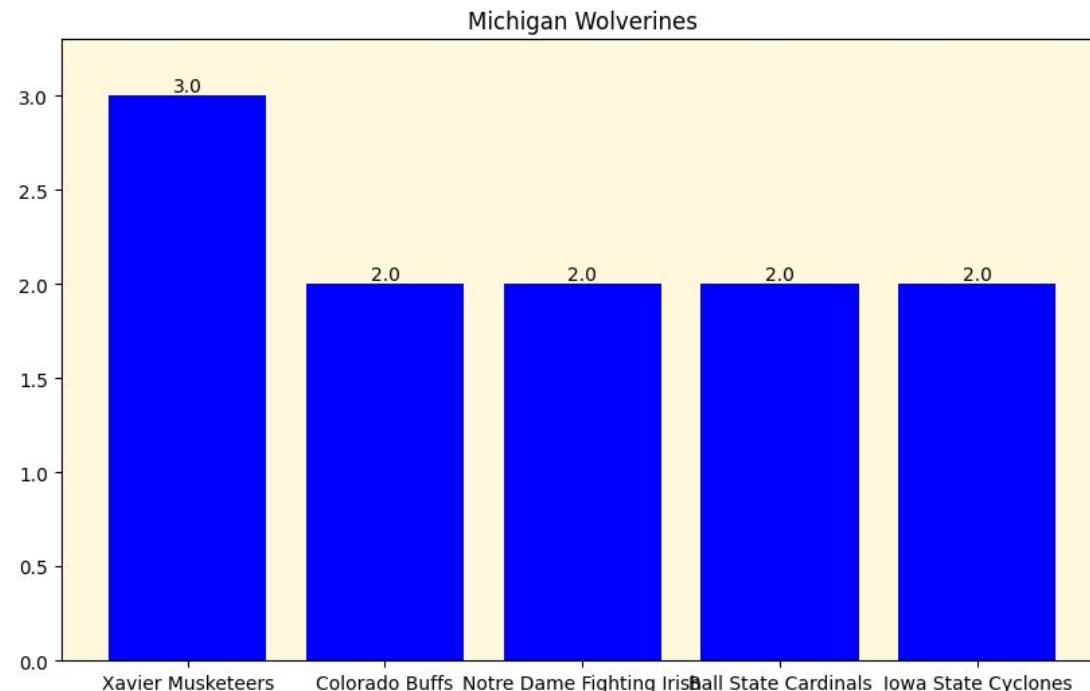


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Conceded Goals

Last 5 Games: Conceded Goals

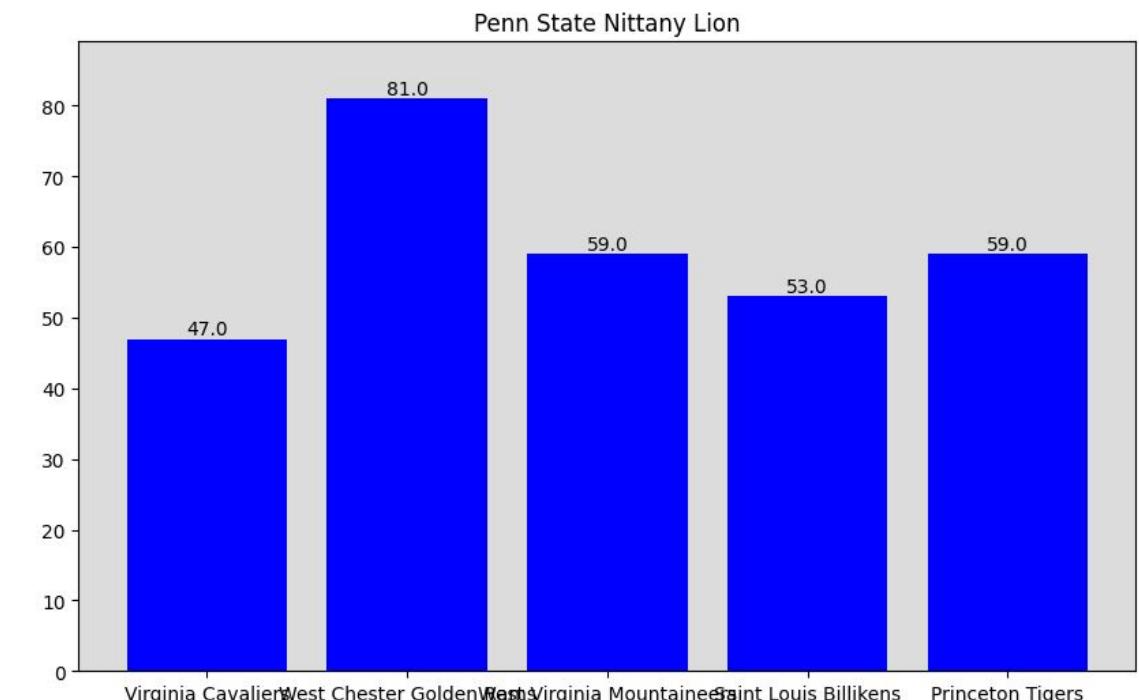
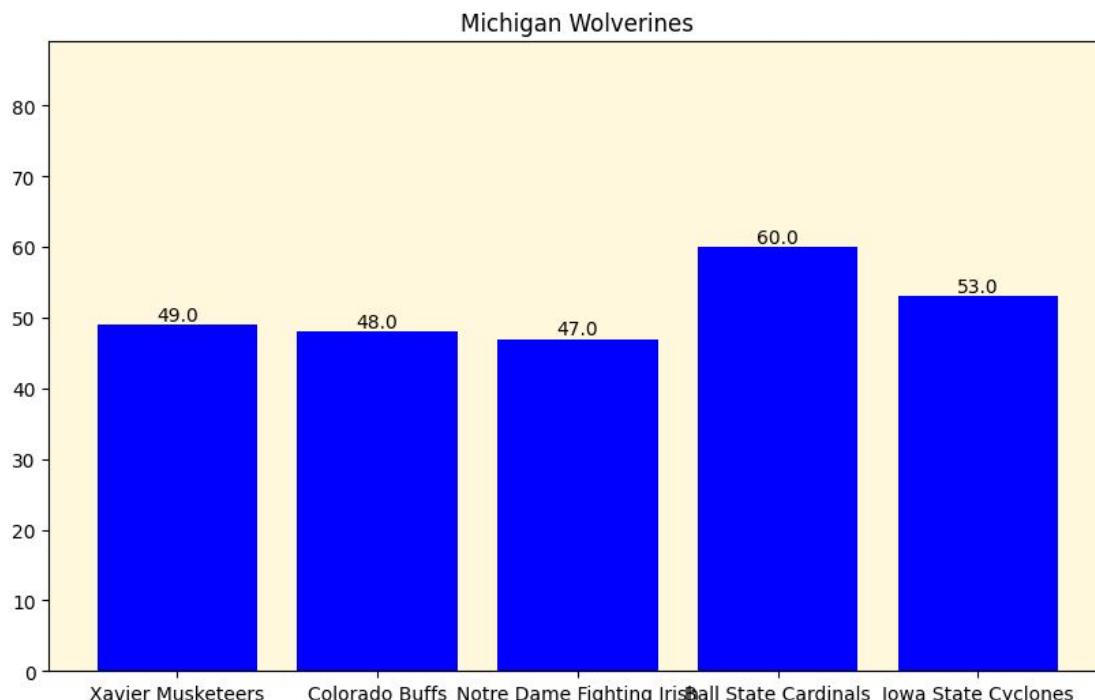


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Possession

Last 5 Games: Possession Percent

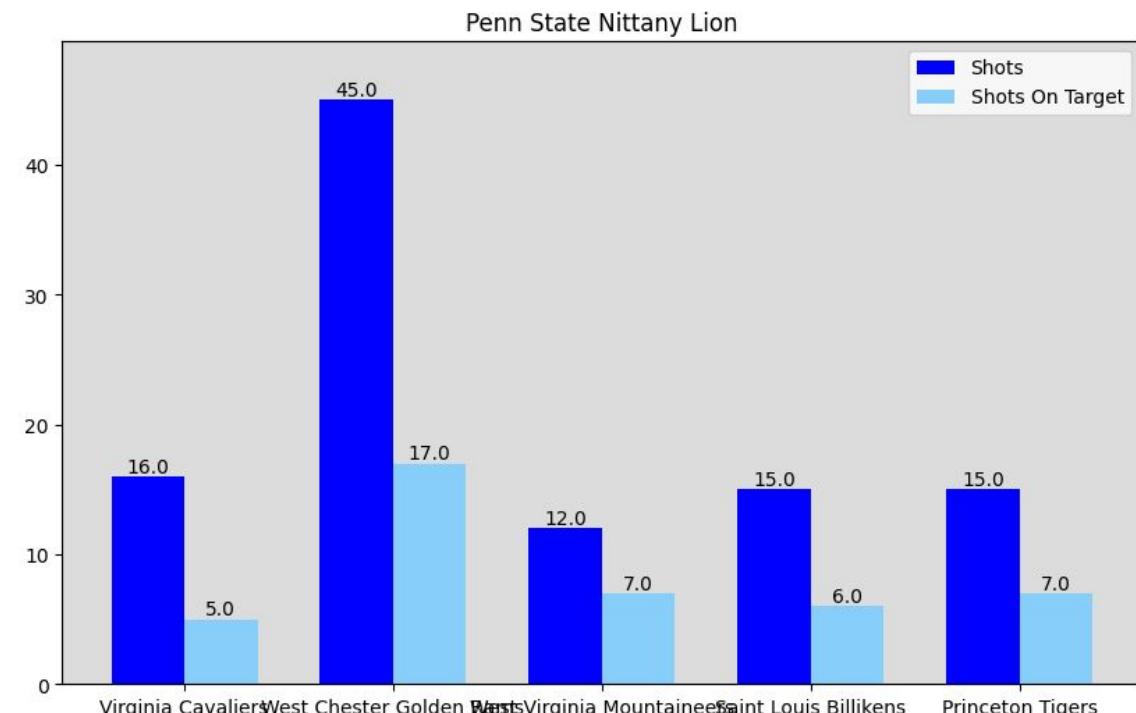
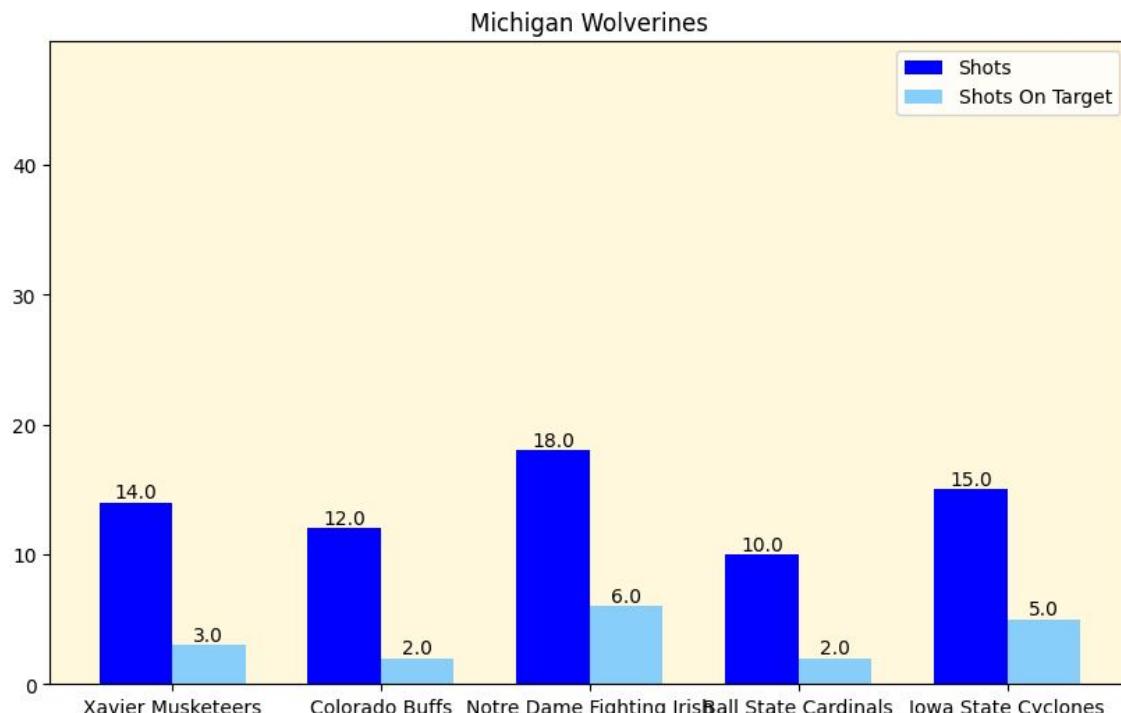


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Shots (on goal)

Last 5 Games: Shots vs Shots On Target

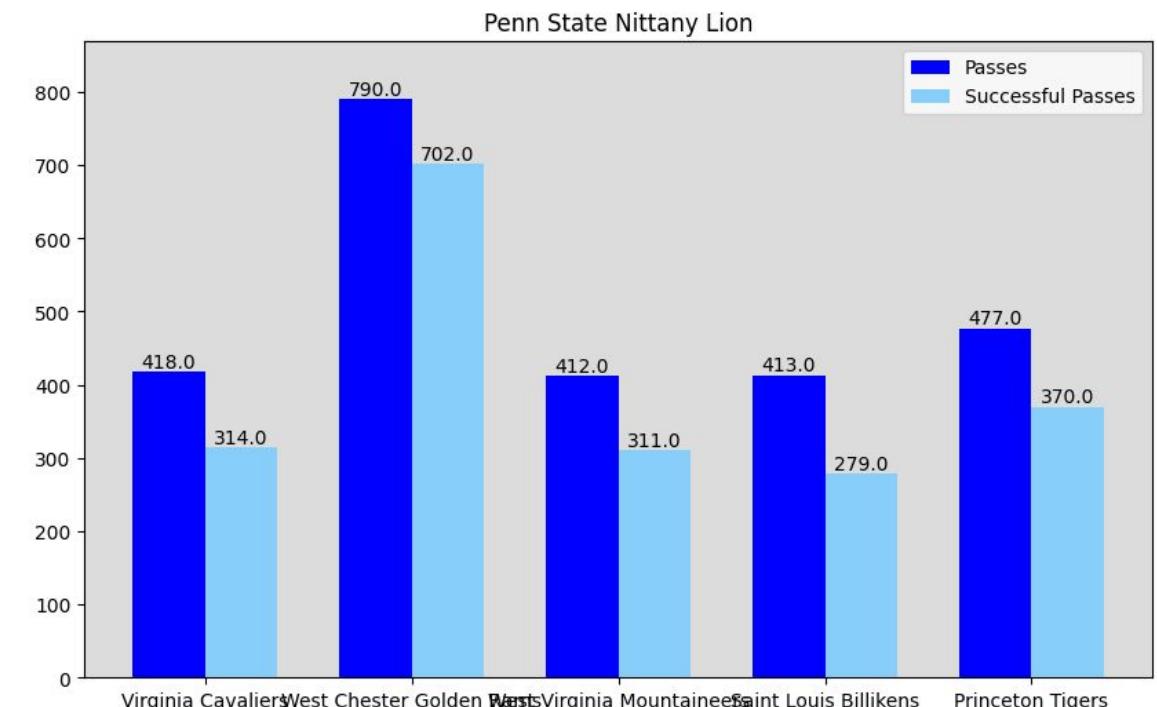
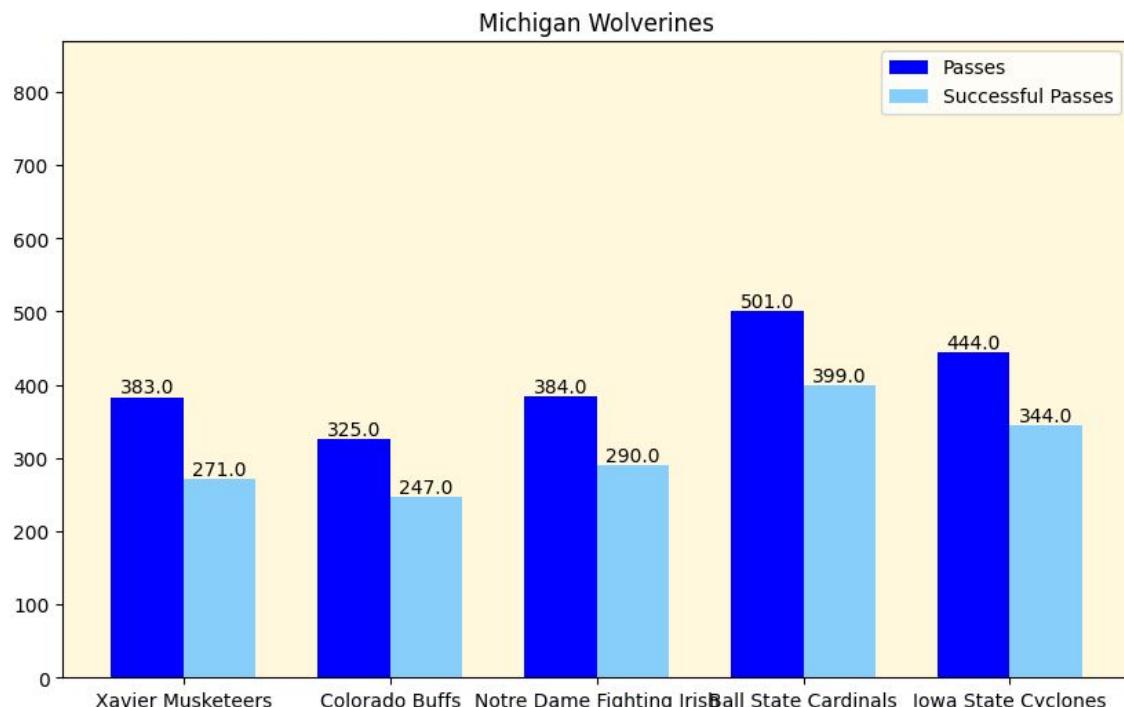


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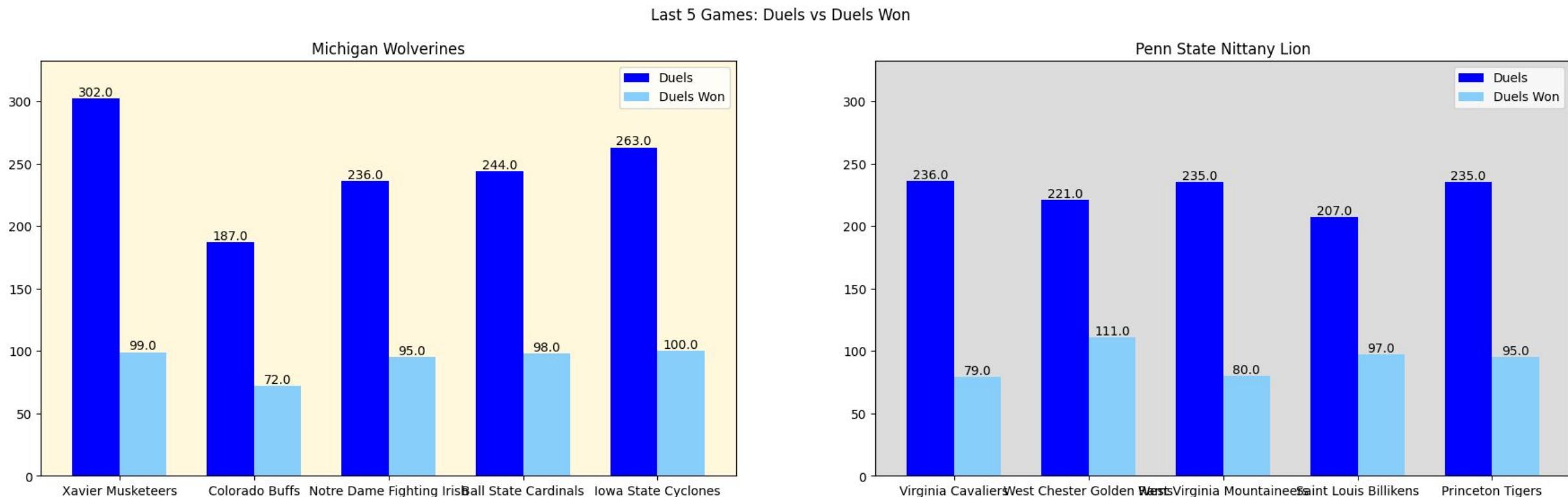
Passes complete (accuracy %)

Last 5 Games: Passes vs Successful Passes



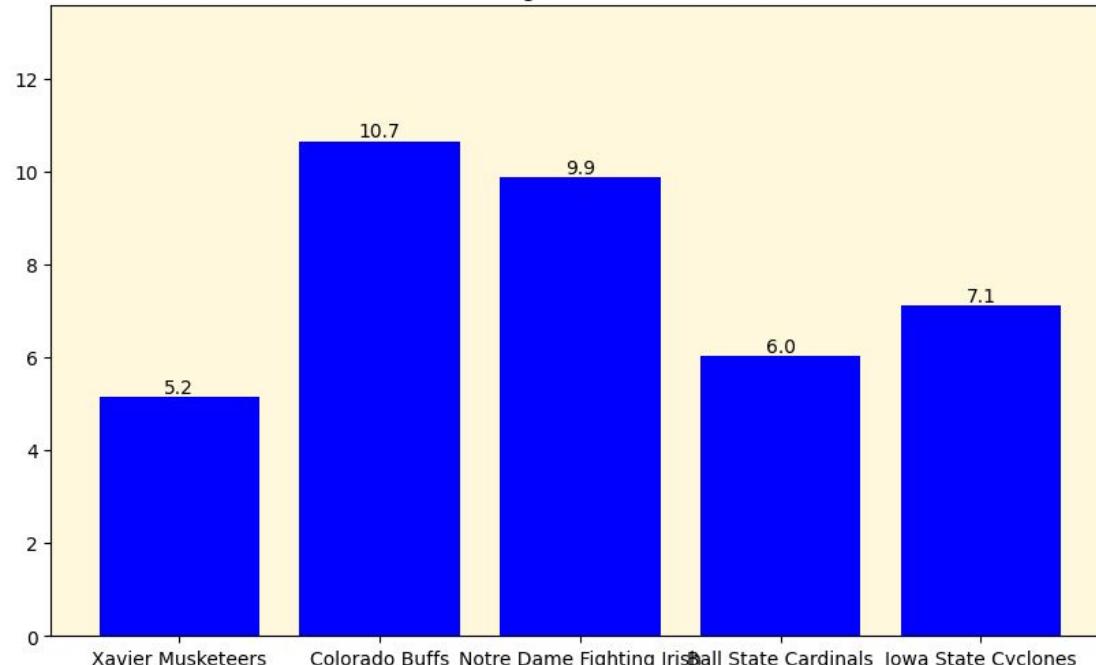
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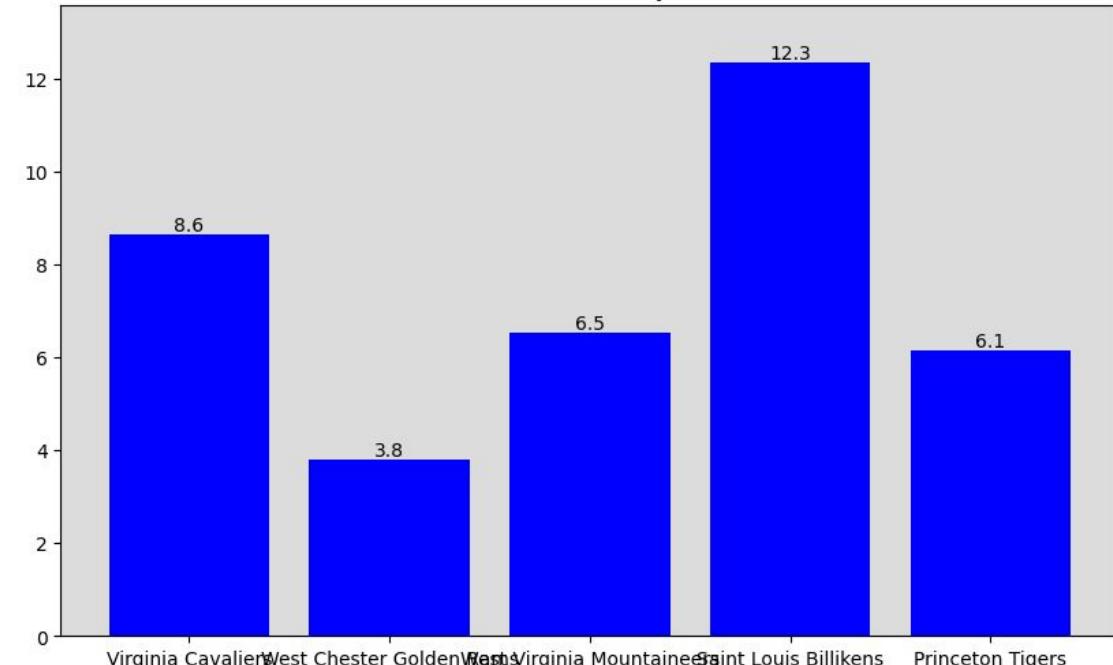


Last 5 Games: Ppda

Michigan Wolverines



Penn State Nittany Lion



Penn State Players

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WOMEN'S SOCCER
UNIVERSITY OF MICHIGAN

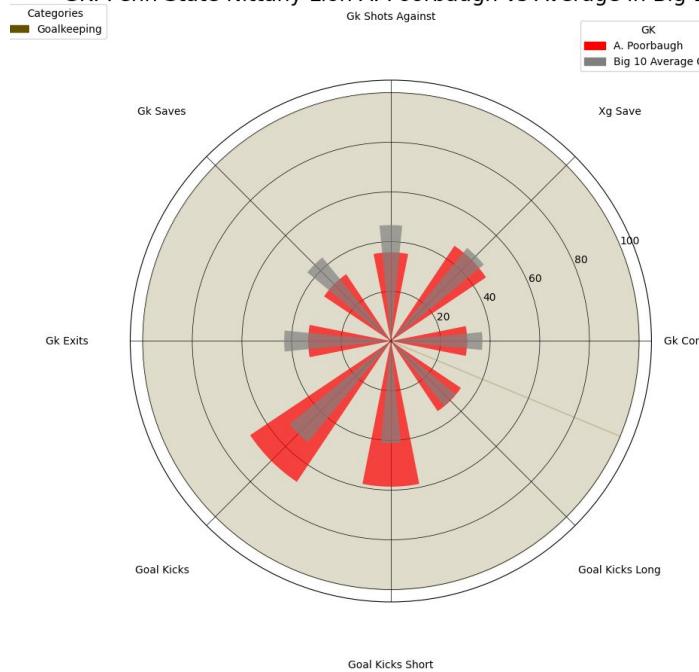
M | **IOE** INDUSTRIAL &
OPERATIONS ENGINEERING
UNIVERSITY OF MICHIGAN

Poorbaugh #0

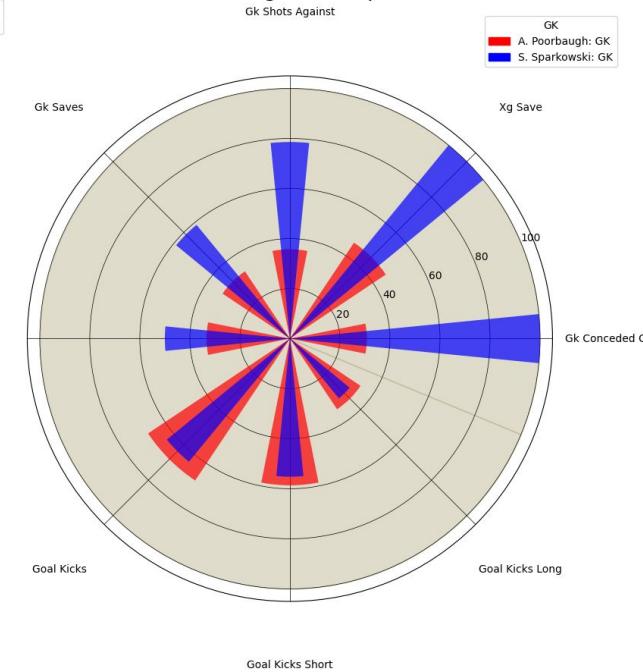


Position(s): GK
Average Minutes: 90

GK: Penn State Nittany Lion A. Poorbaugh vs Average in Big 10



GK: A. Poorbaugh vs S. Sparkowski



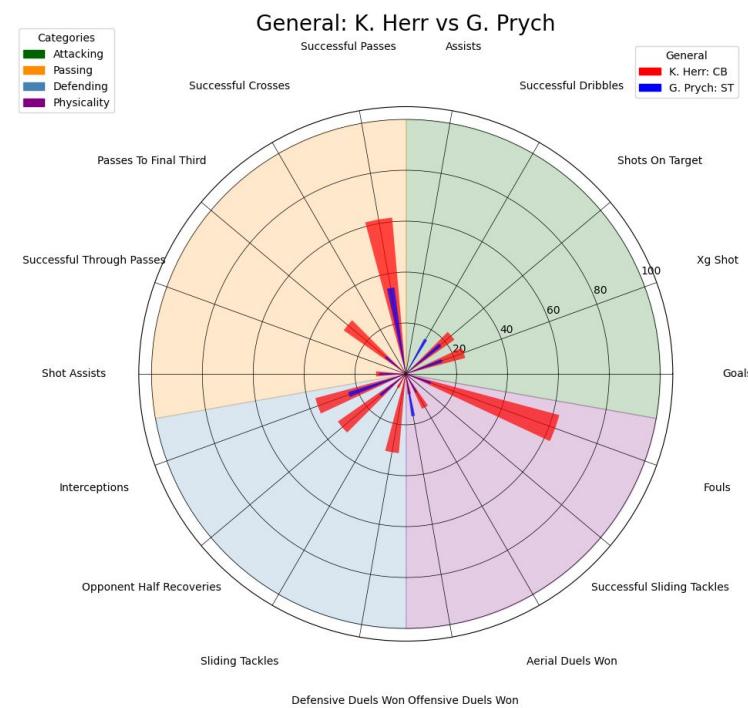
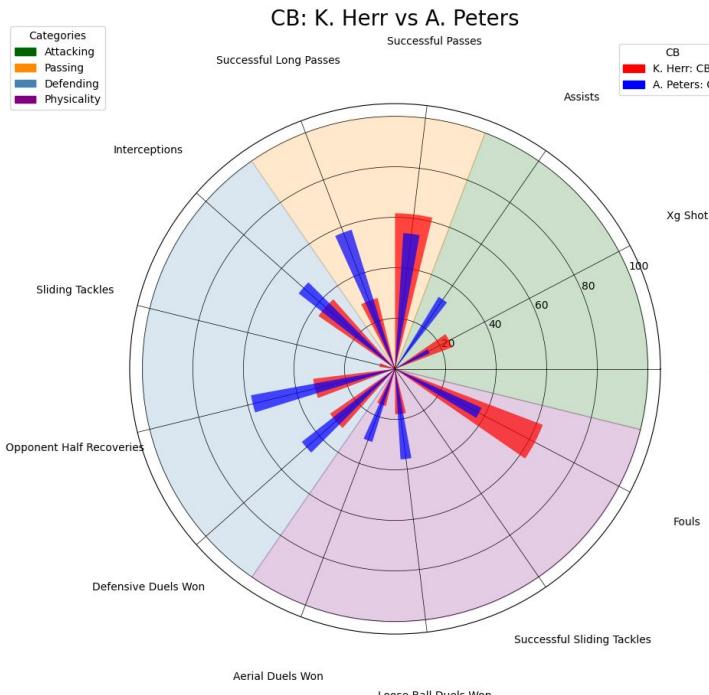
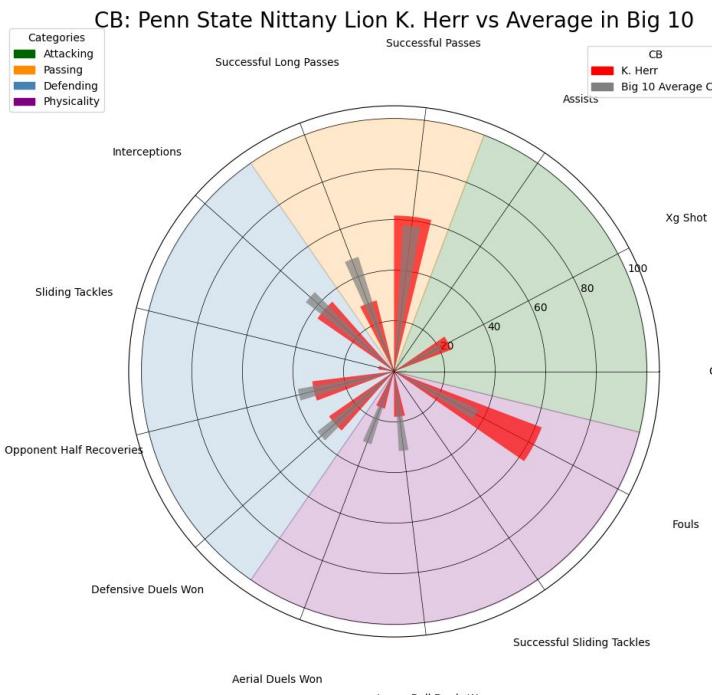
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Herr #4



Position(s): RCB
Average Minutes: 87

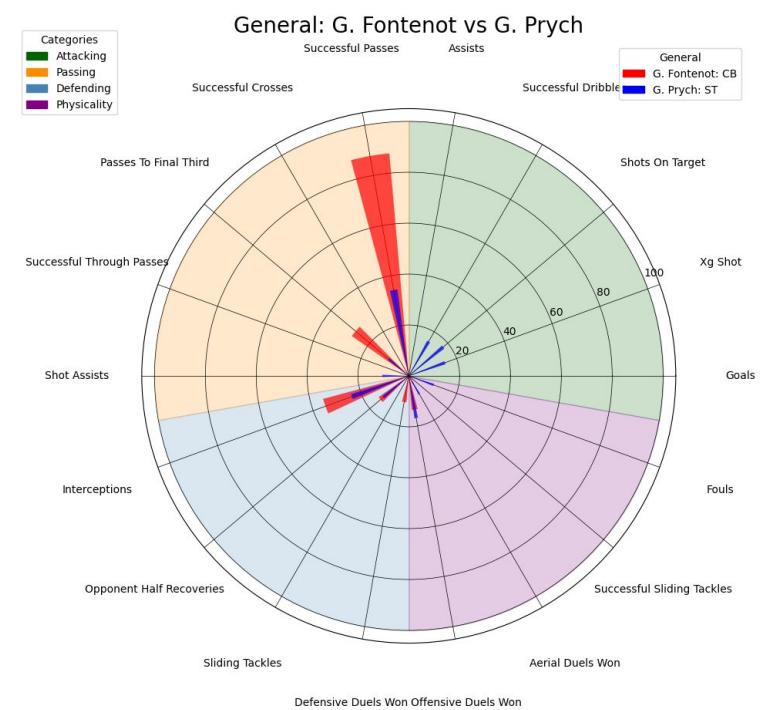
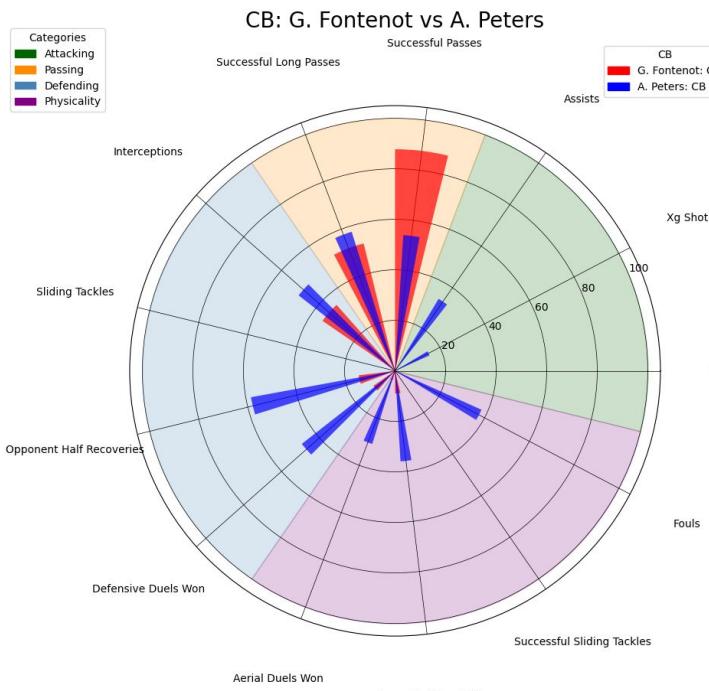
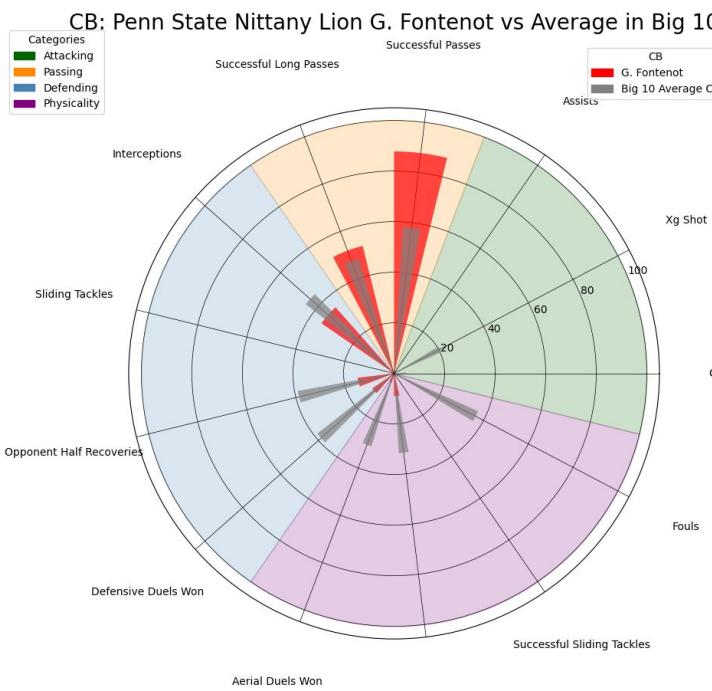


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Fontenot #28



Position(s): CB
Average Minutes: 90



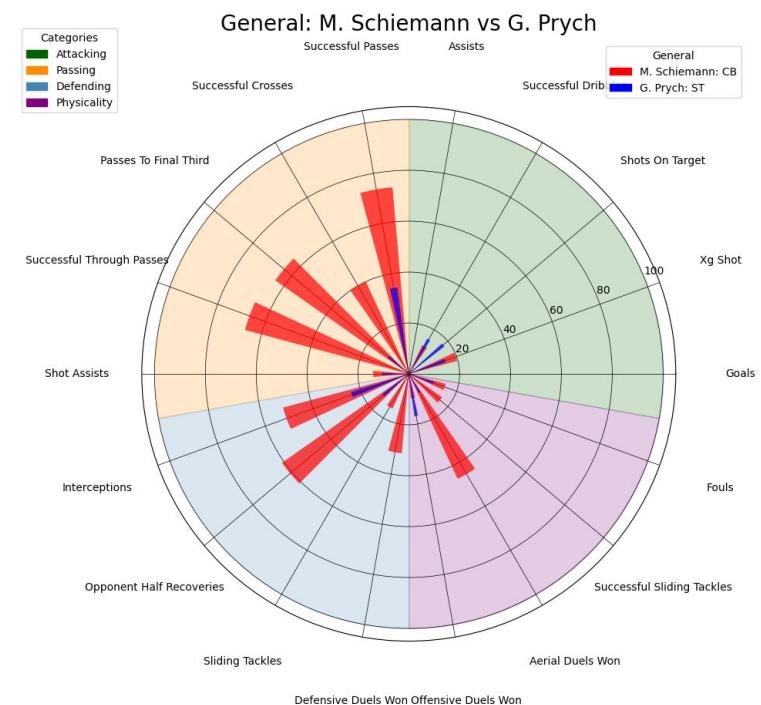
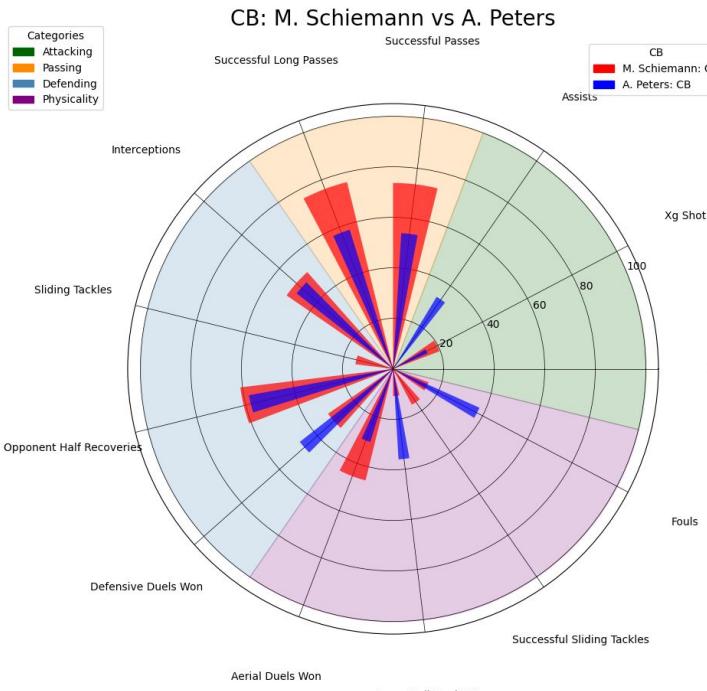
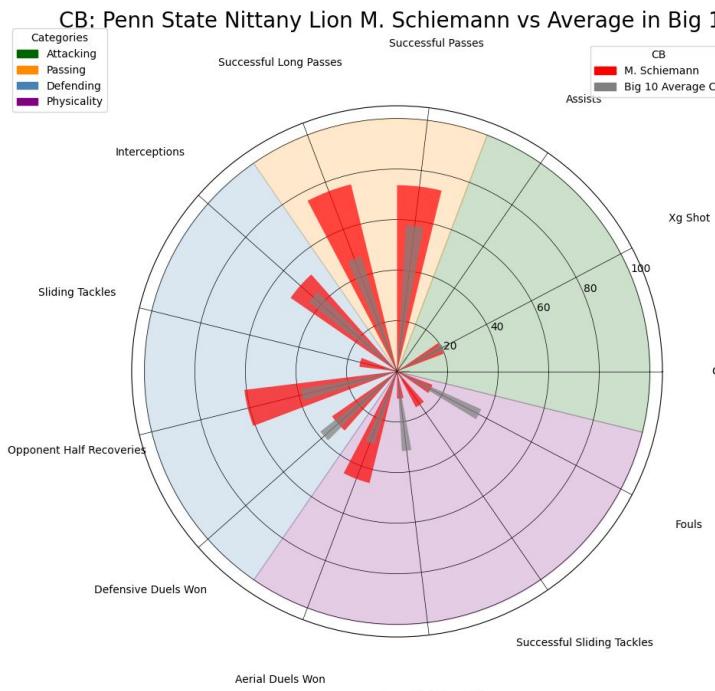
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Schiemann #25

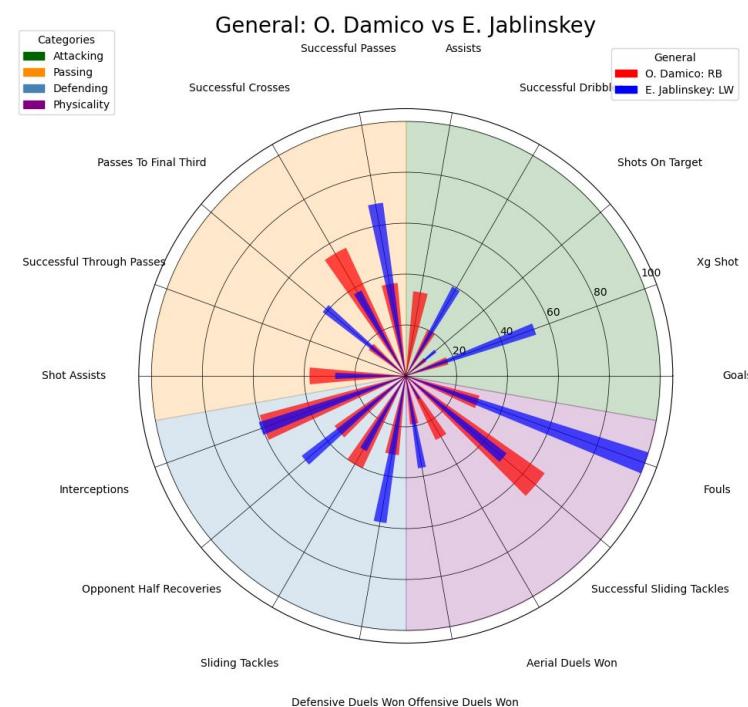
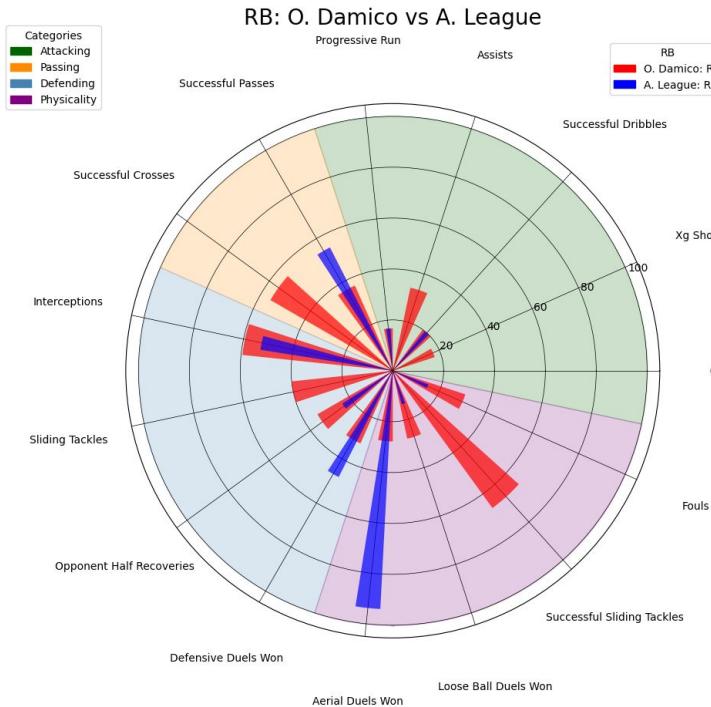
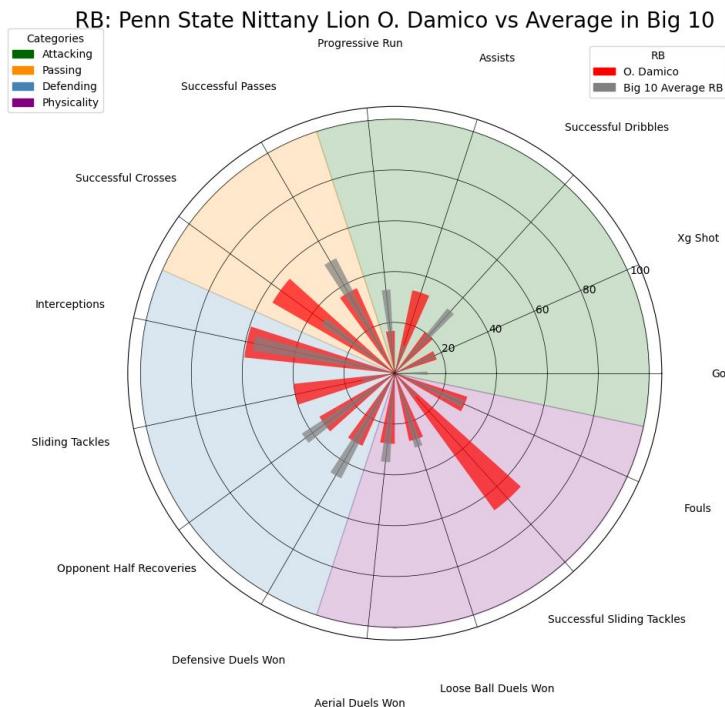


Position(s): LCB
Average Minutes: 90





Position(s): RWB
Average Minutes: 60



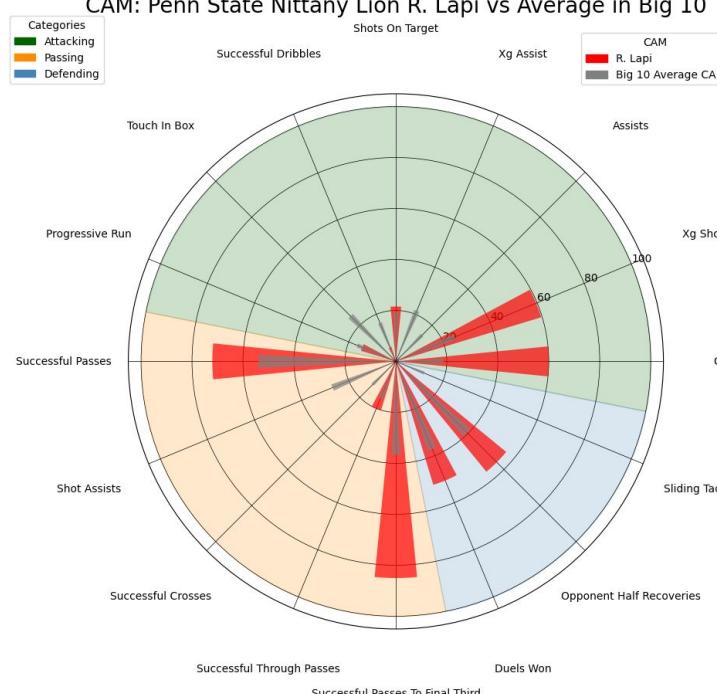
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Lapi #22

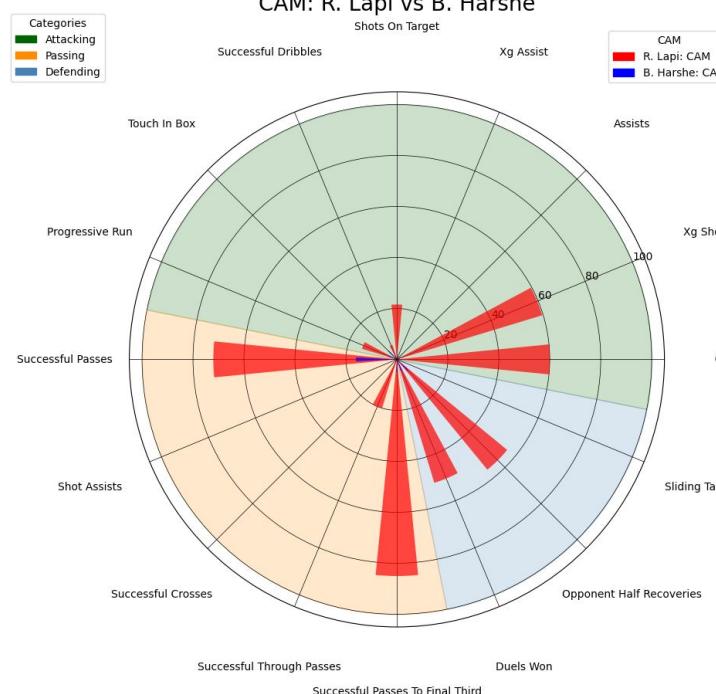


Position(s): CM
Average Minutes: 55

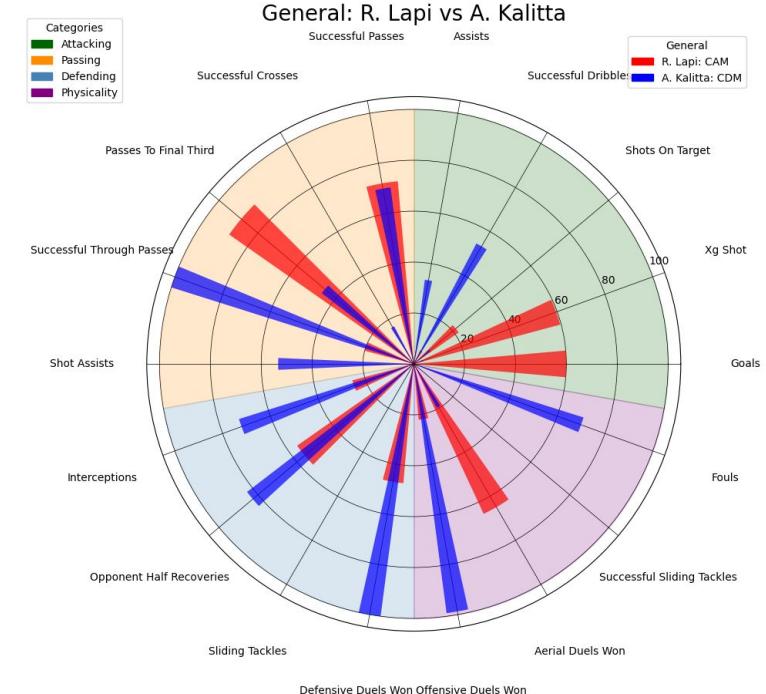
CAM: Penn State Nittany Lion R. Lapi vs Average in Big 10



CAM: R. Lapi vs B. Harshe



General: R. Lapi vs A. Kalitta



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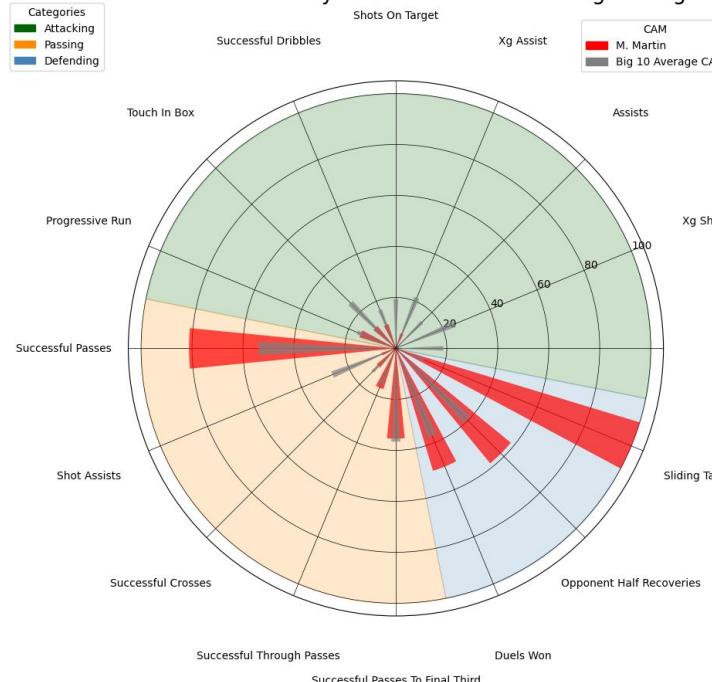
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Martin #2

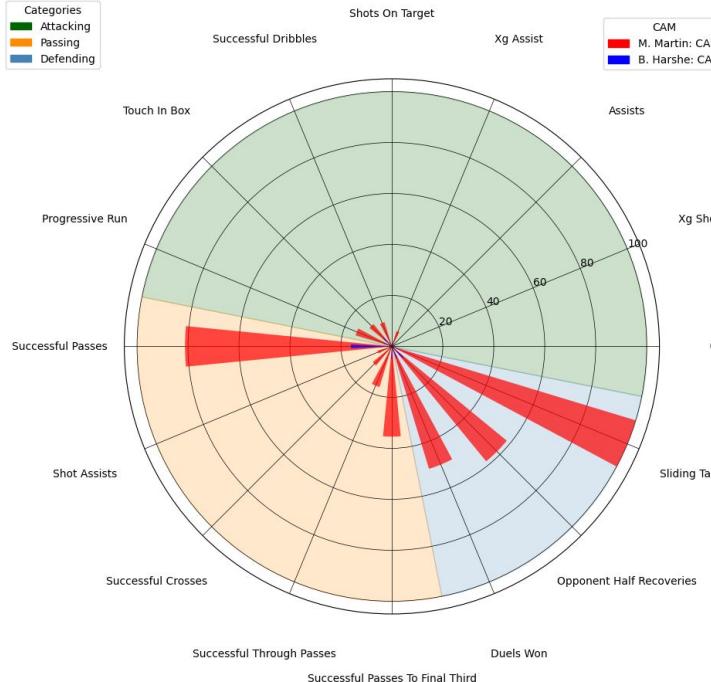


Position(s): CM
Average Minutes: 84

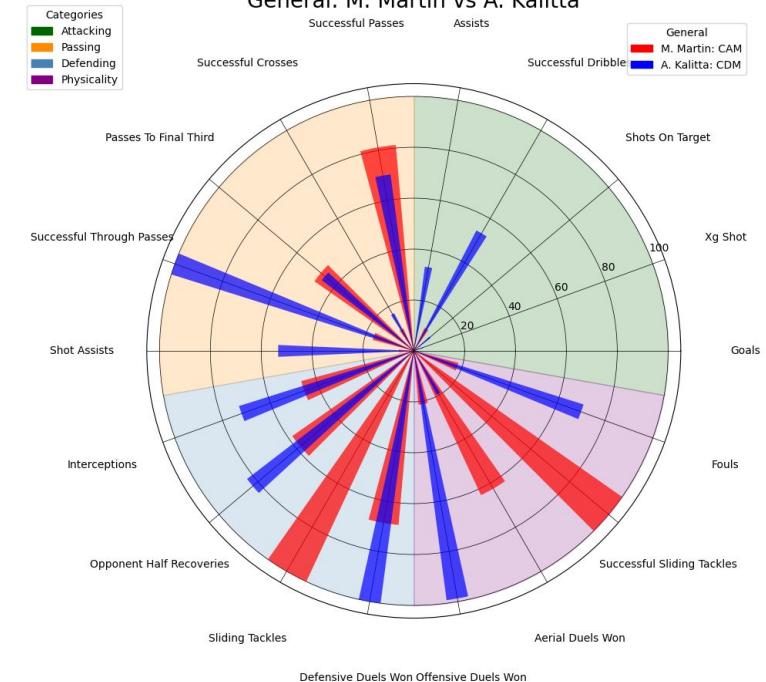
CAM: Penn State Nittany Lion M. Martin vs Average in Big 10



CAM: M. Martin vs B. Harshe



General: M. Martin vs A. Kalitta

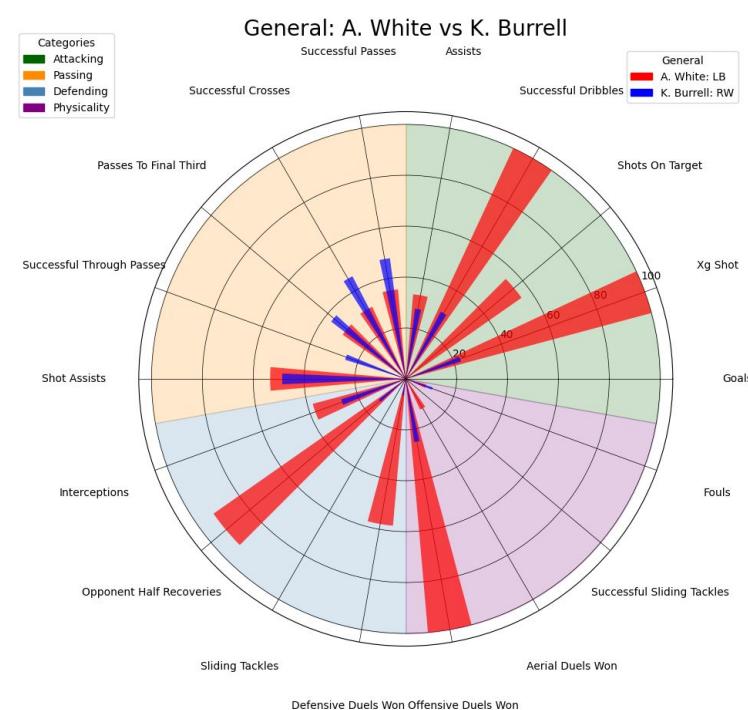
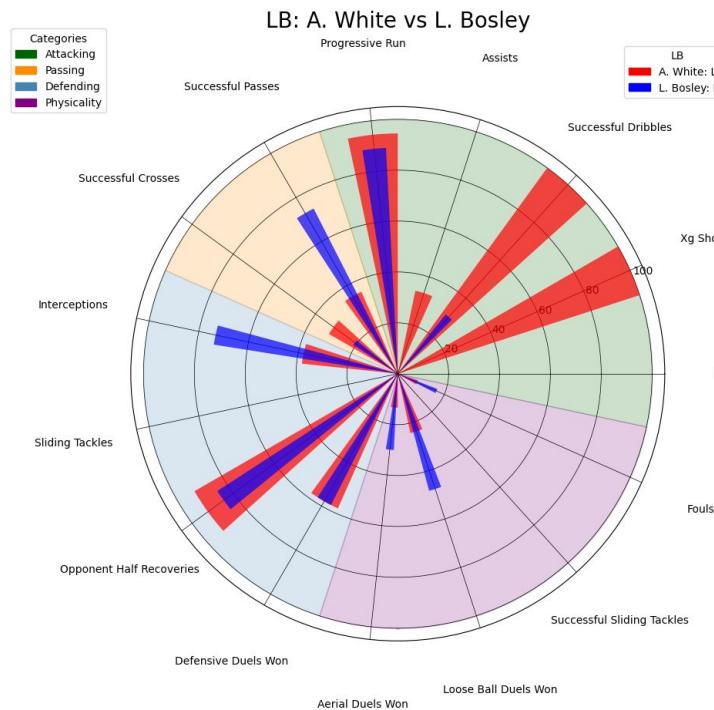
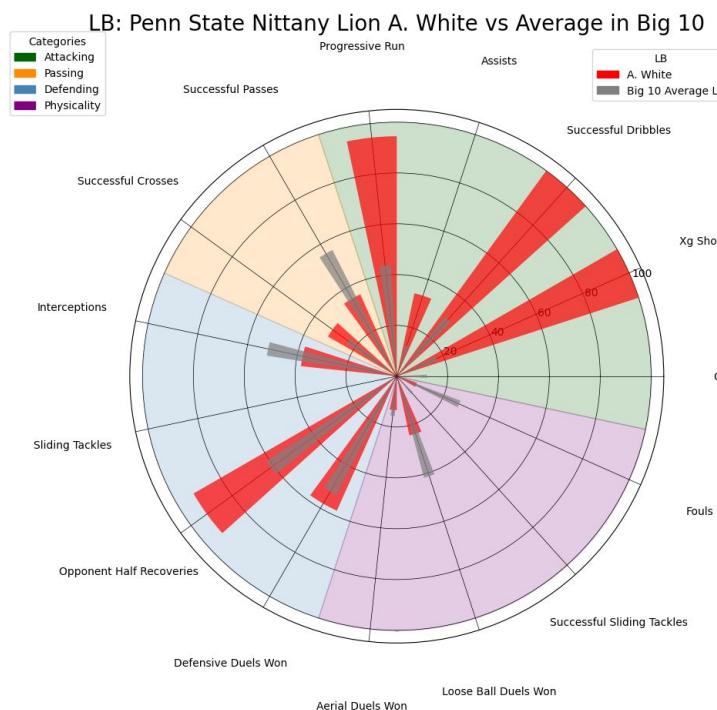


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White #7



Position(s): LWB
Average Minutes: 68



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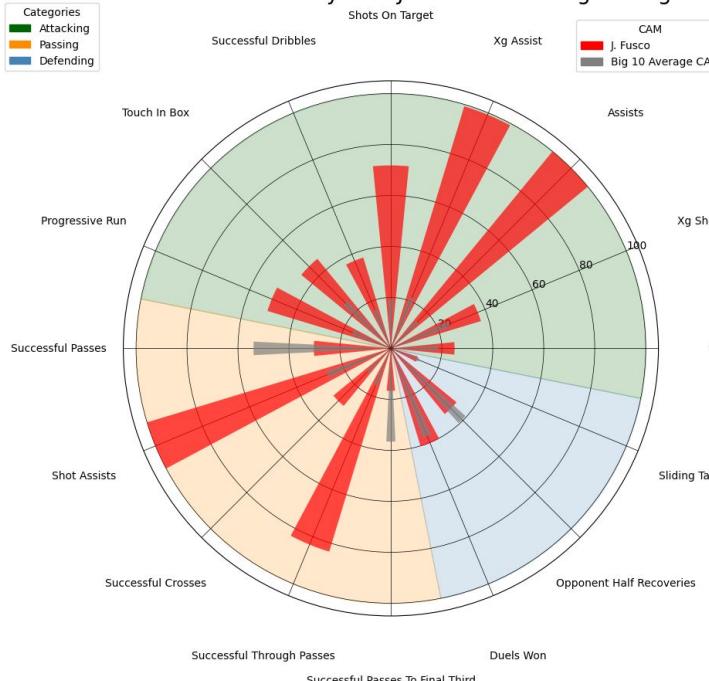
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FUSCO #11

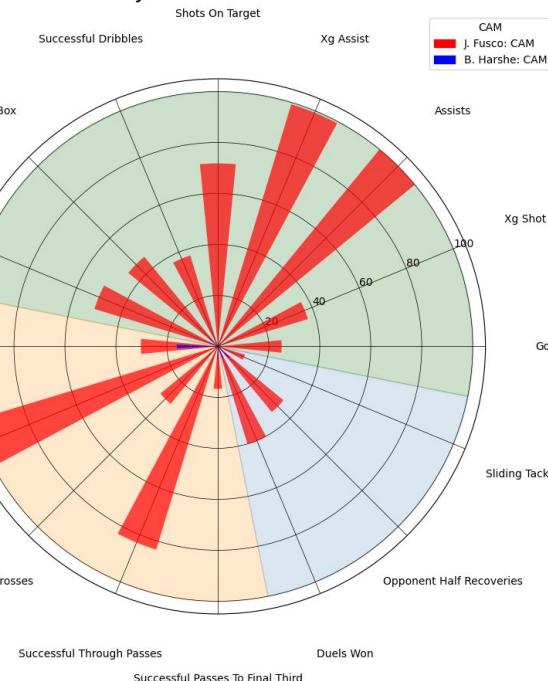


Position(s): CAM / RW
Average Minutes: 69

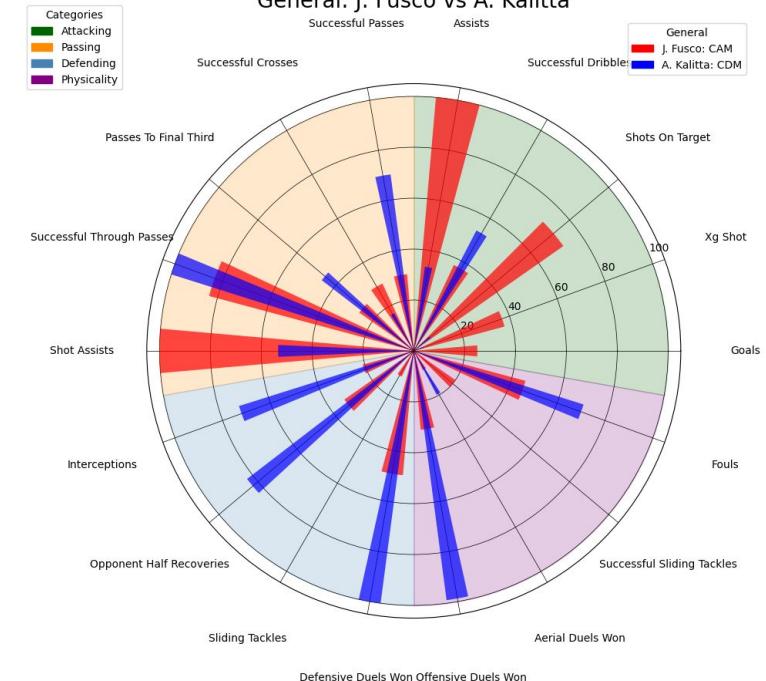
CAM: Penn State Nittany Lion J. Fusco vs Average in Big 10



CAM: J. Fusco vs B. Harshe



General: J. Fusco vs A. Kalitta



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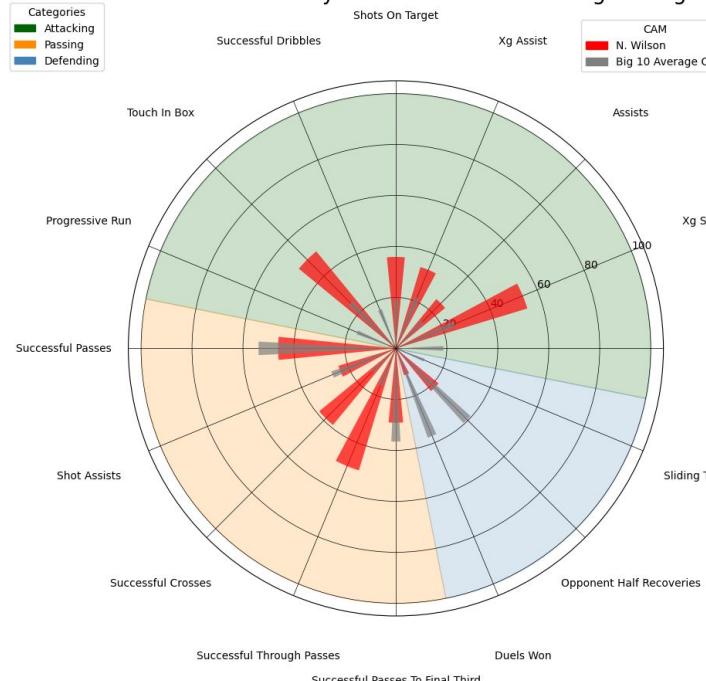
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Wilson #32

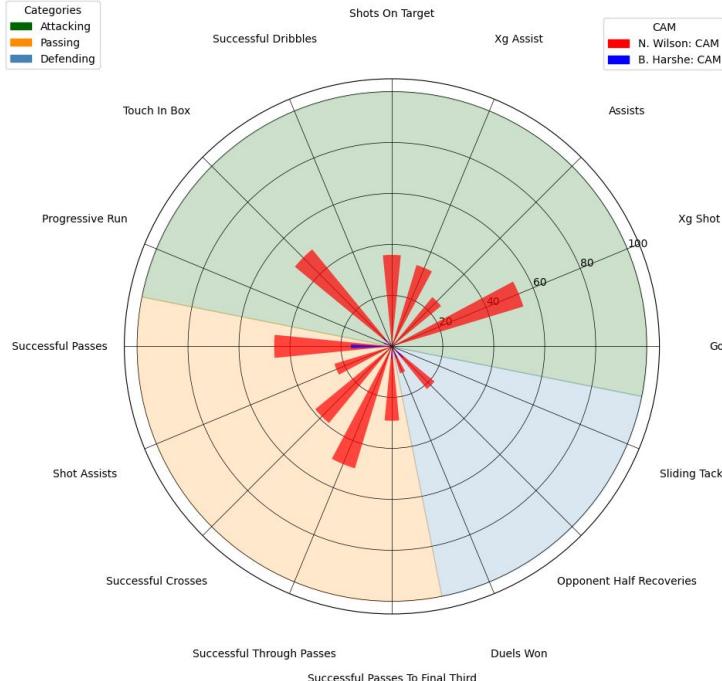


Position(s): CAM / LW
Average Minutes: 53

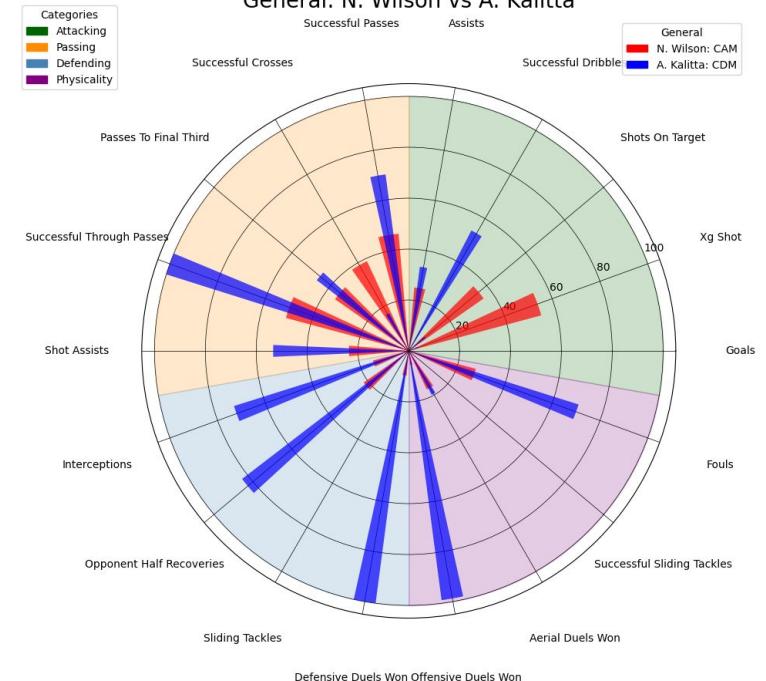
CAM: Penn State Nittany Lion N. Wilson vs Average in Big 10



CAM: N. Wilson vs B. Harshe



General: N. Wilson vs A. Kalitta



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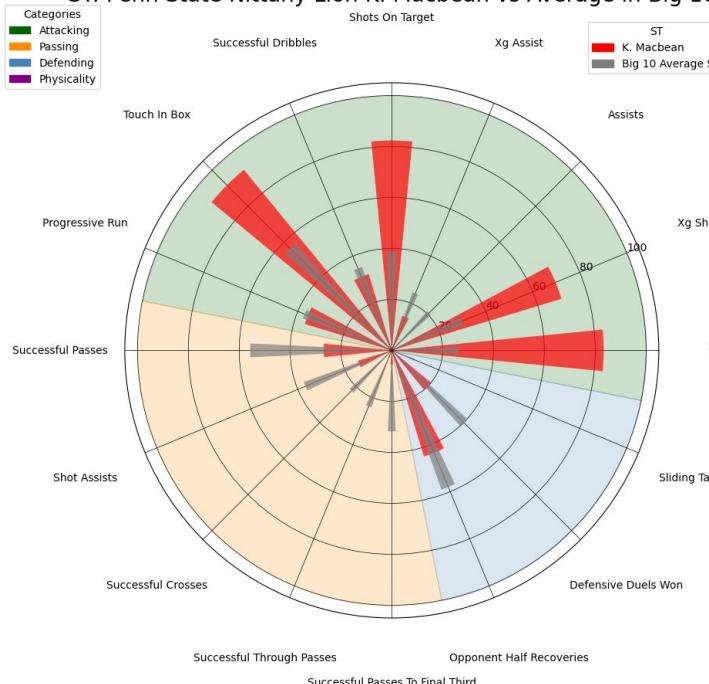
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Macbean #14

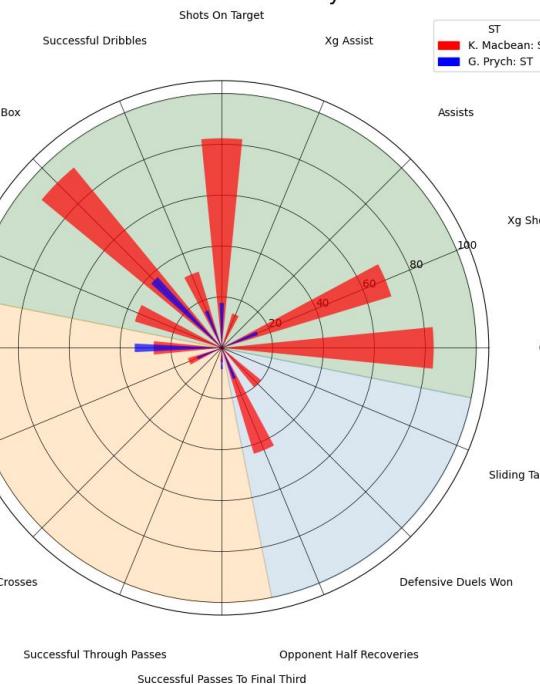


Position(s): ST
Average Minutes: 70

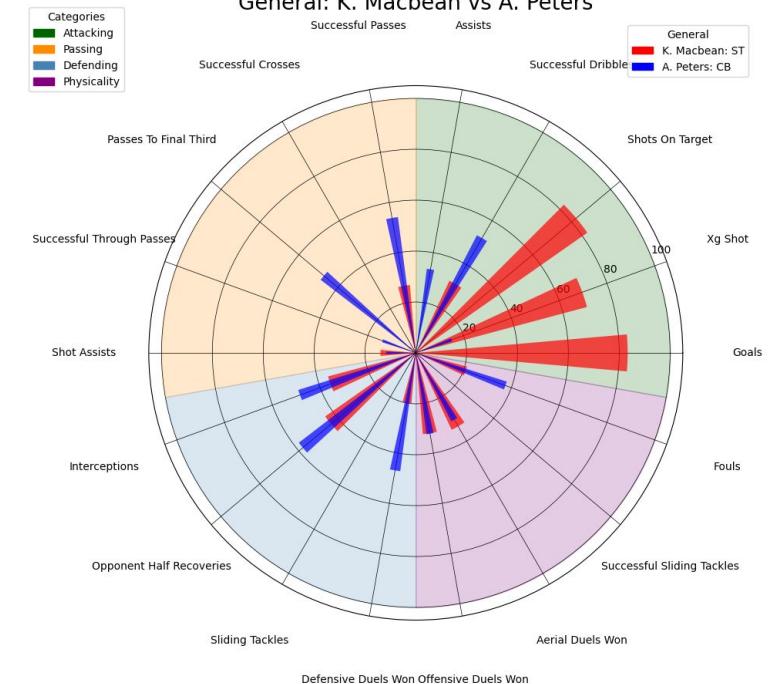
ST: Penn State Nittany Lion K. Macbean vs Average in Big 10



ST: K. Macbean vs G. Prych



General: K. Macbean vs A. Peters



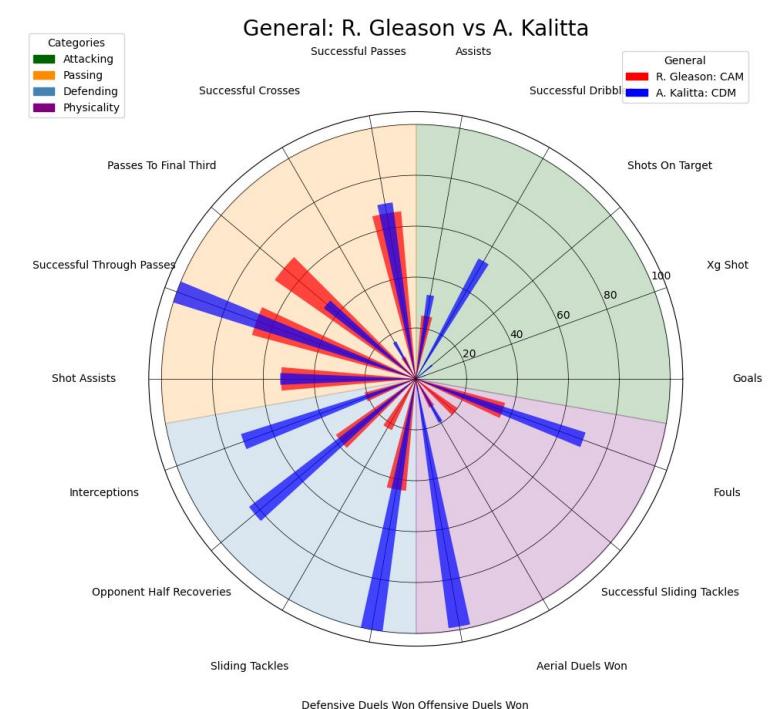
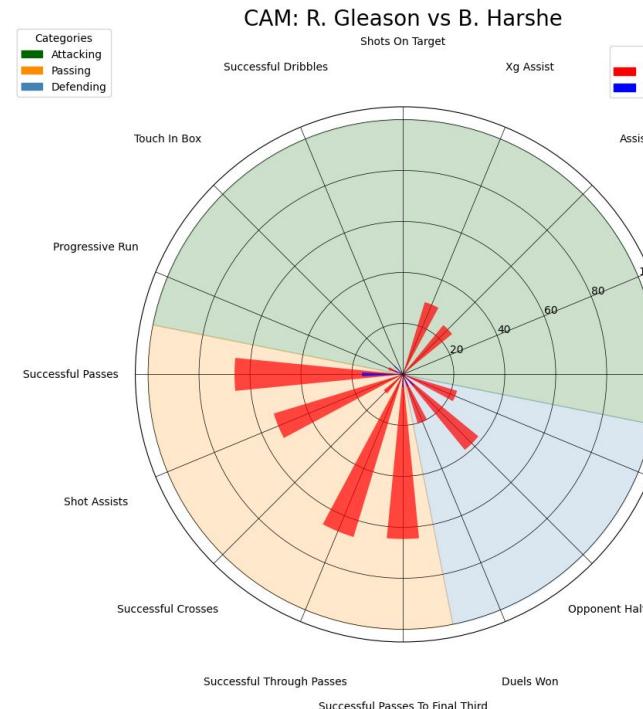
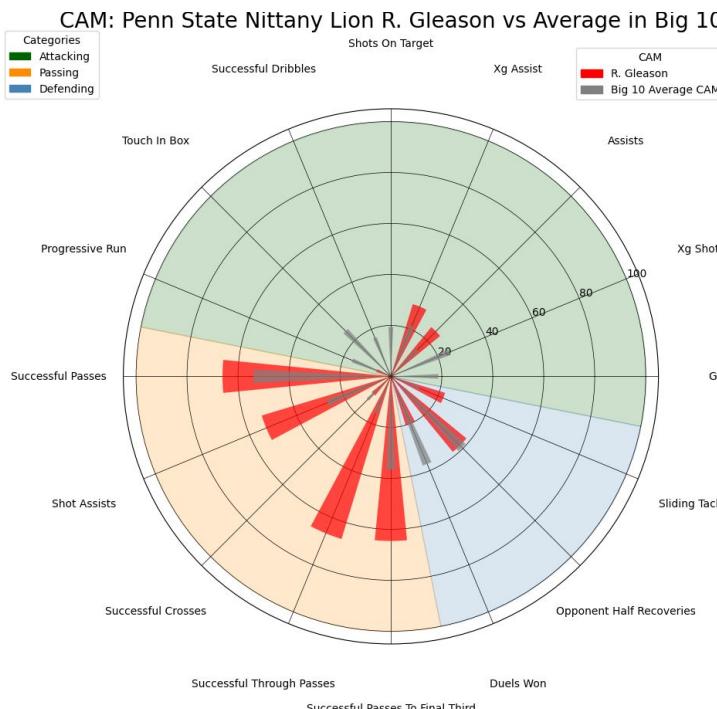
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Gleason #35



Position(s): CM
Average Minutes: 47



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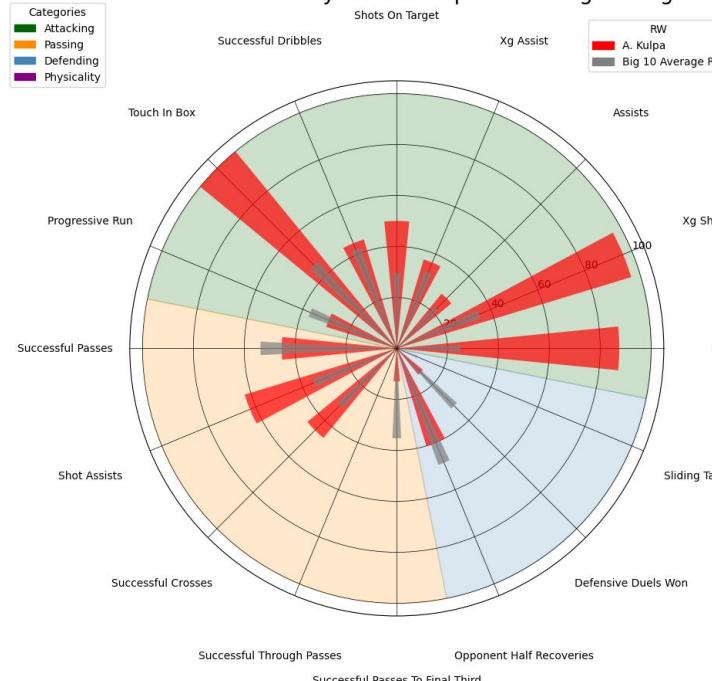
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Kulpa #16

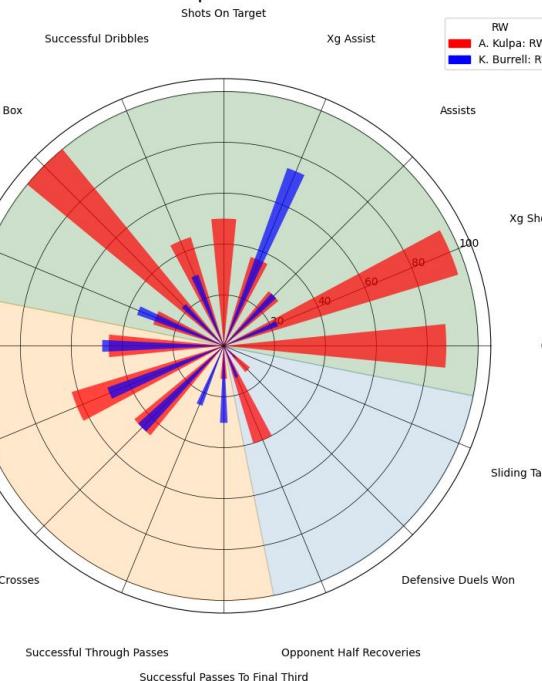


Position(s): CF / AMF
Average Minutes: 51

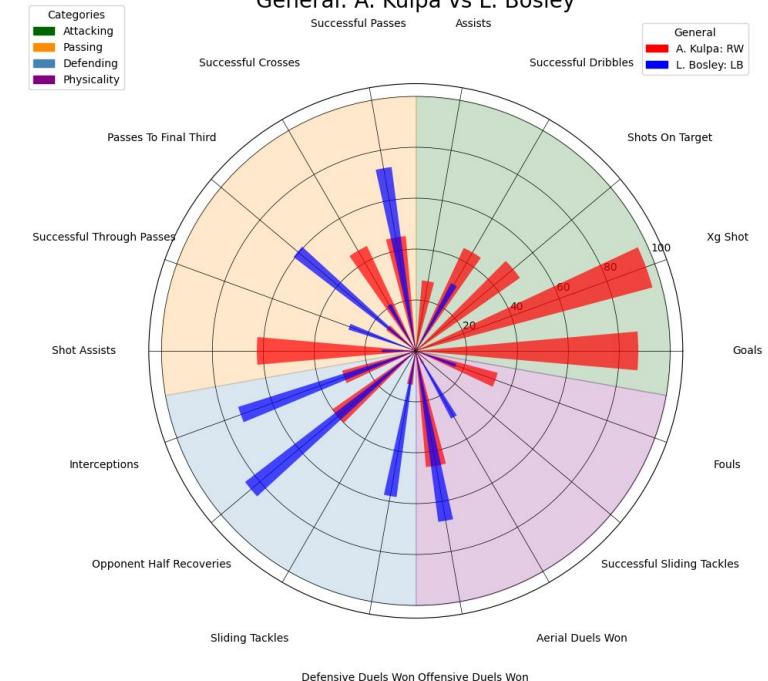
RW: Penn State Nittany Lion A. Kulpa vs Average in Big 10



RW: A. Kulpa vs K. Burrell



General: A. Kulpa vs L. Bosley



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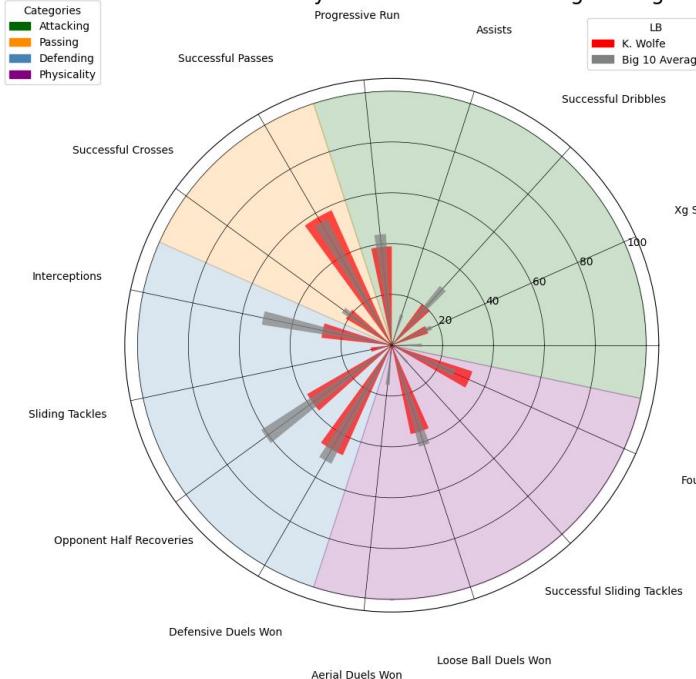
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Wolfe #18

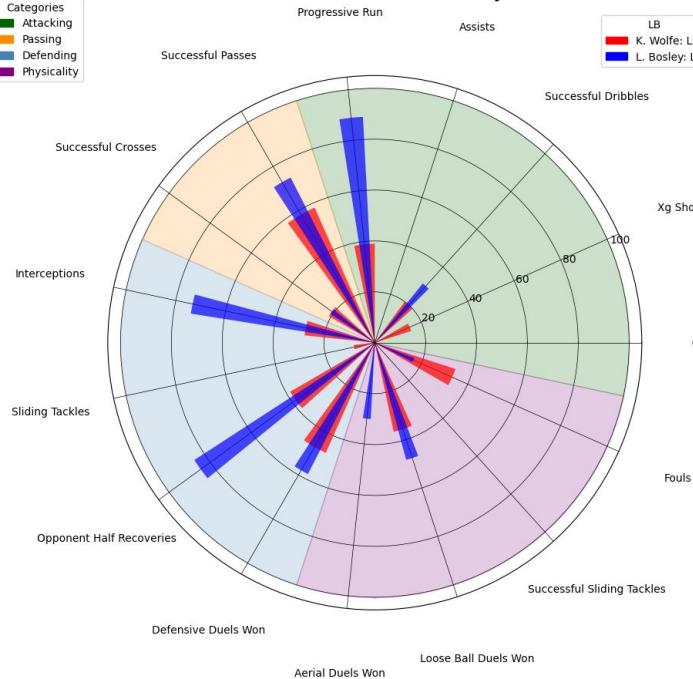


Position(s): LB / LWB
Average Minutes: 57

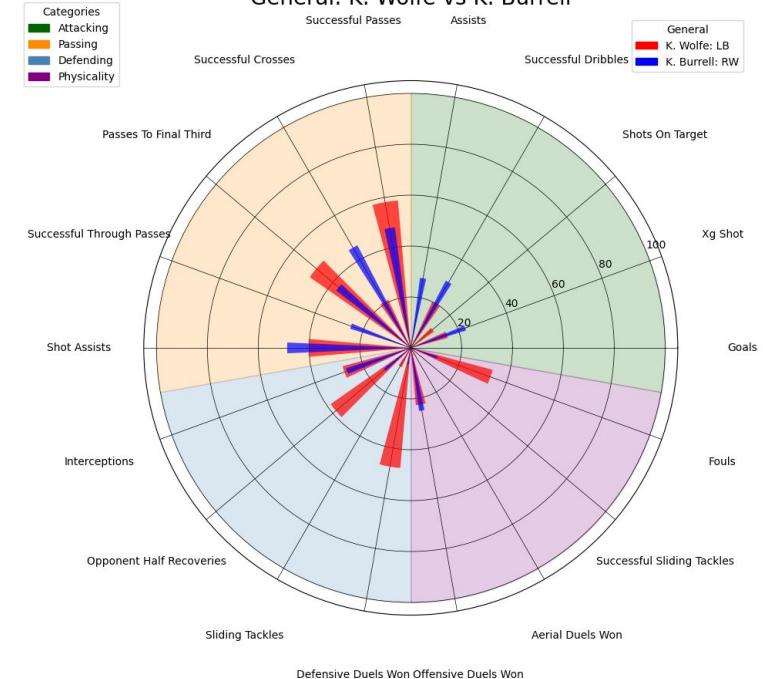
LB: Penn State Nittany Lion K. Wolfe vs Average in Big 10



LB: K. Wolfe vs L. Bosley



General: K. Wolfe vs K. Burrell



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Michigan Players

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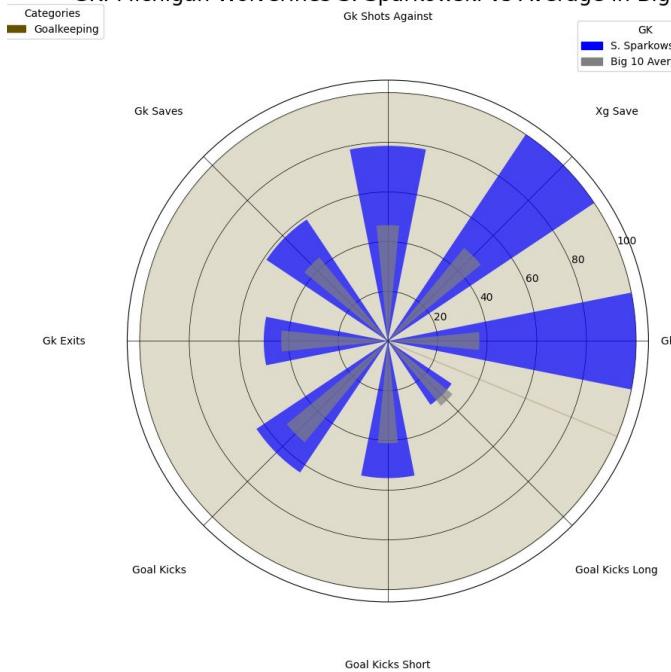
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WOMEN'S SOCCER
UNIVERSITY OF MICHIGAN

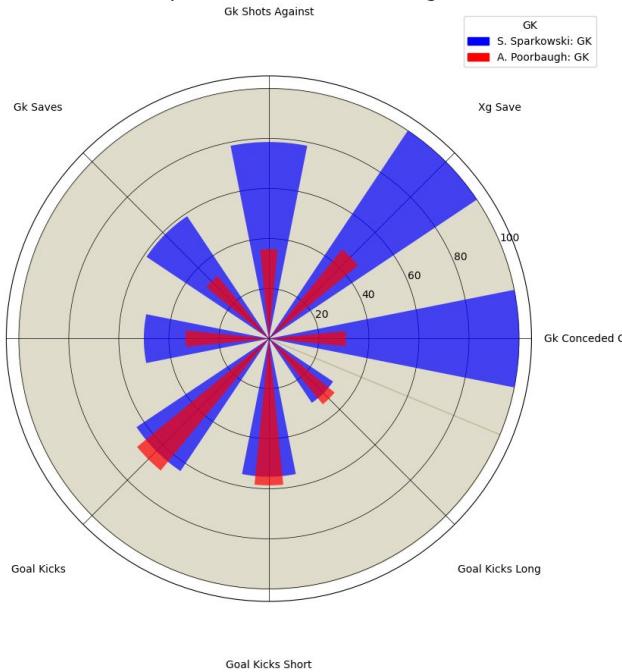
M | IOE INDUSTRIAL &
OPERATIONS ENGINEERING
UNIVERSITY OF MICHIGAN

Sparkowski #00

GK: Michigan Wolverines S. Sparkowski vs Average in Big 10



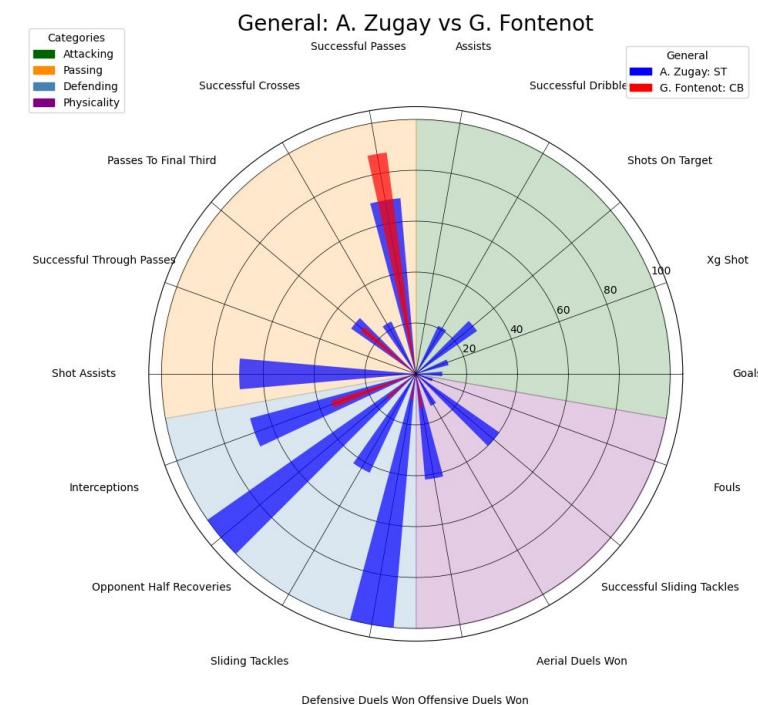
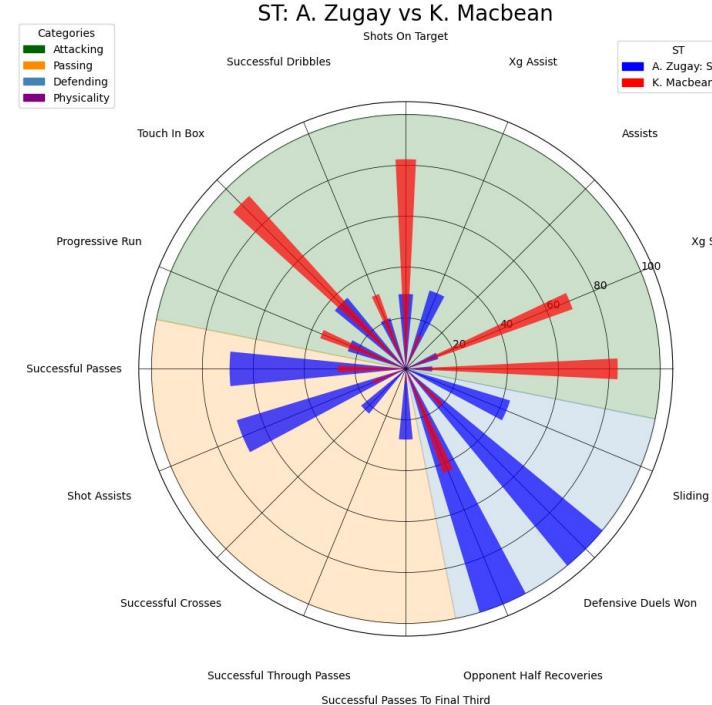
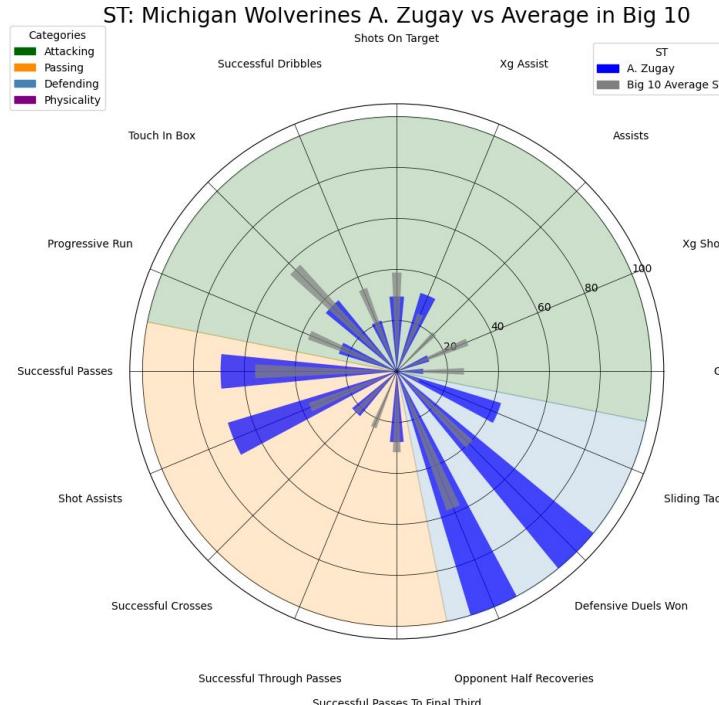
GK: S. Sparkowski vs A. Poorbaugh



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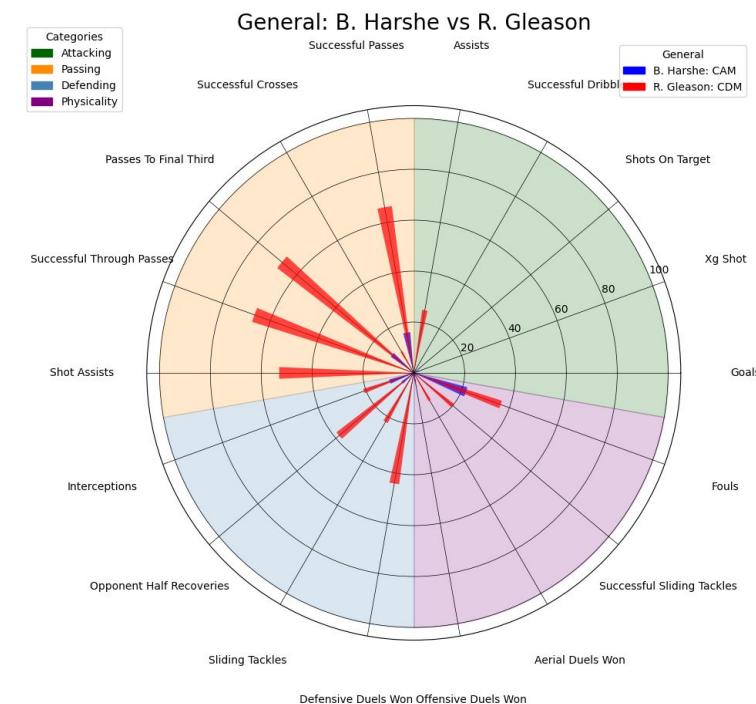
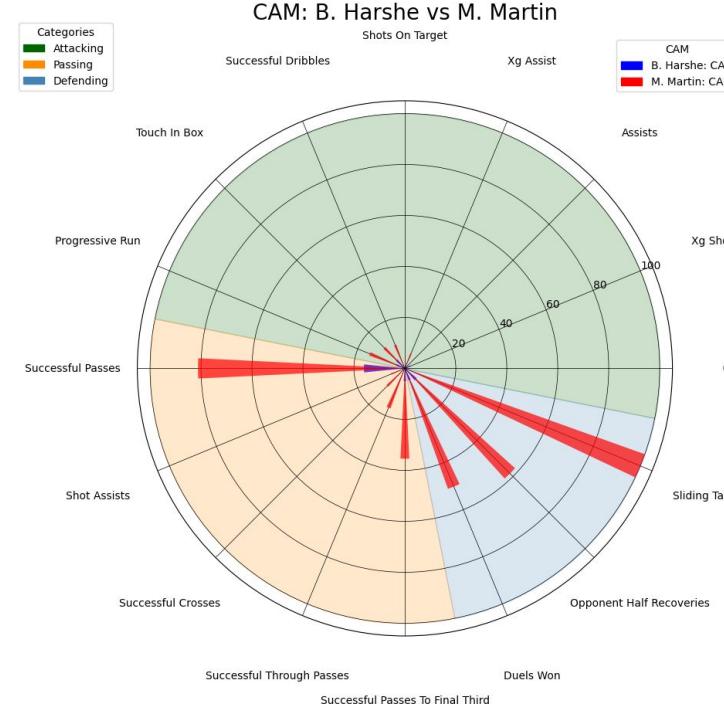
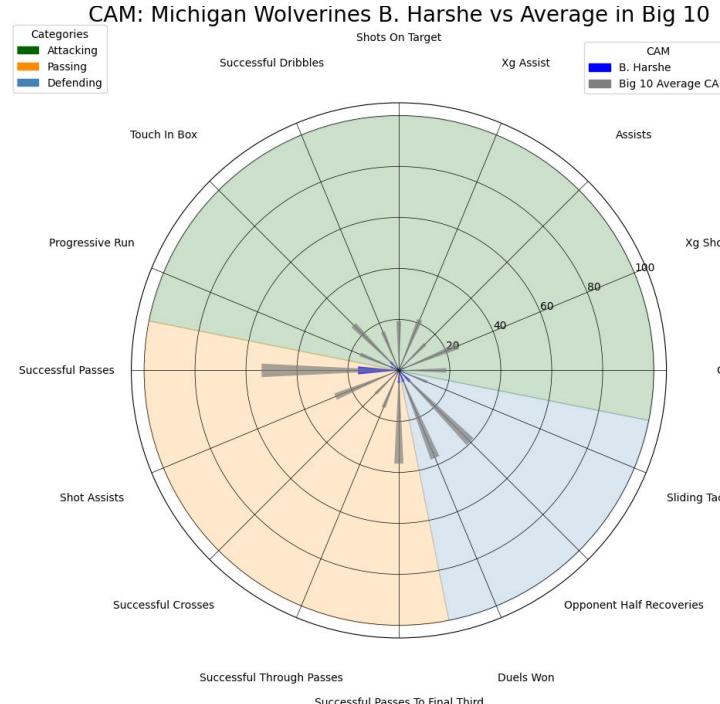
Zugay #2



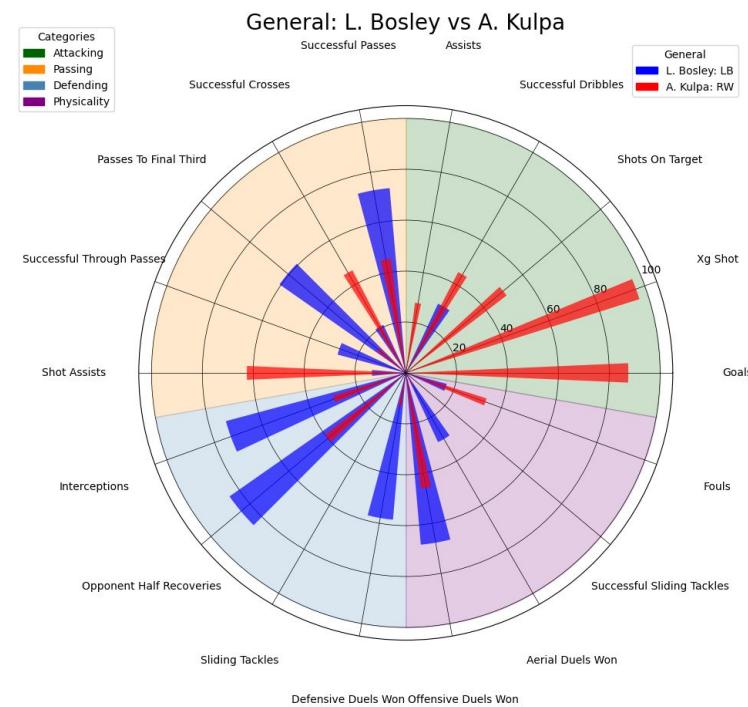
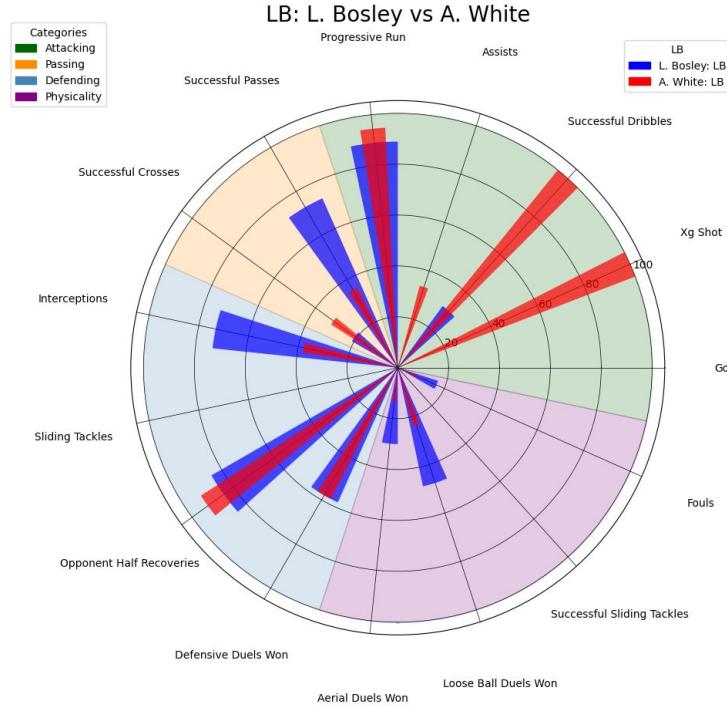
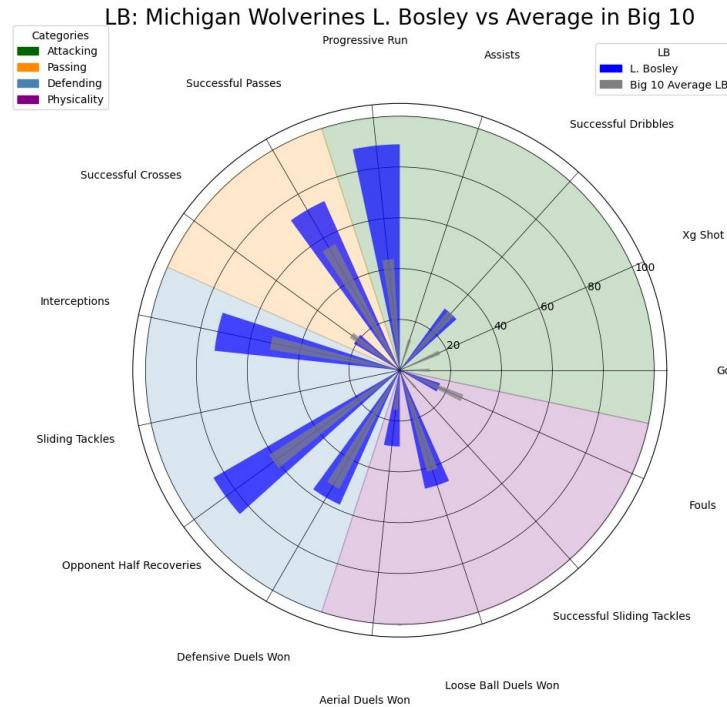
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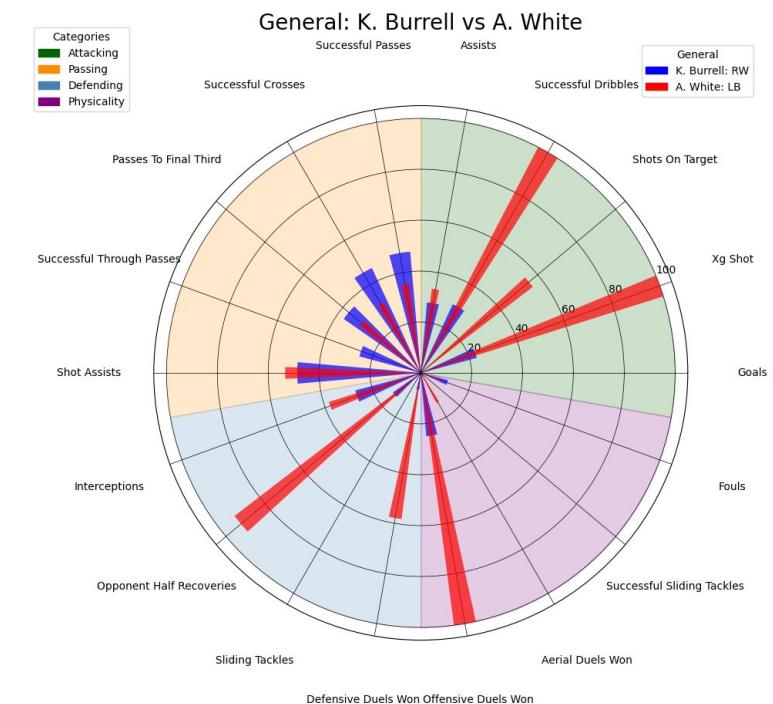
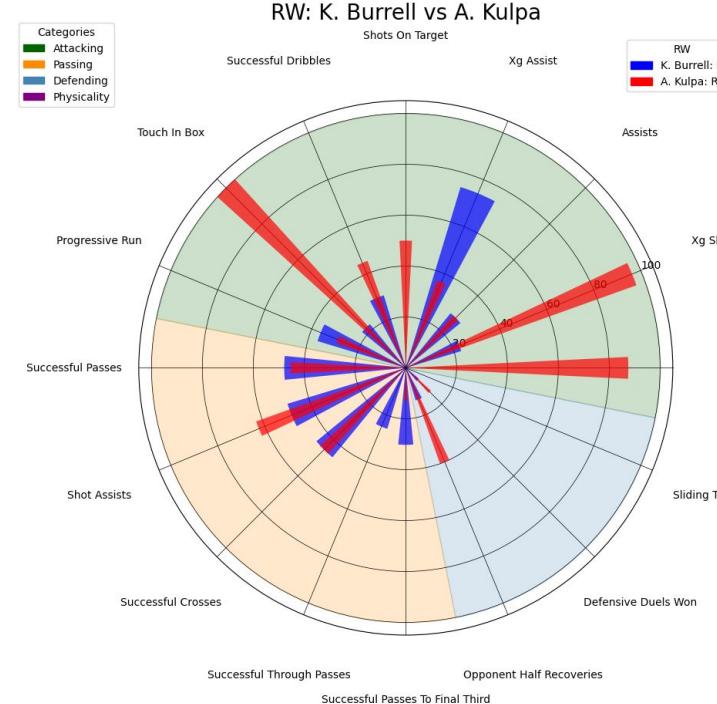
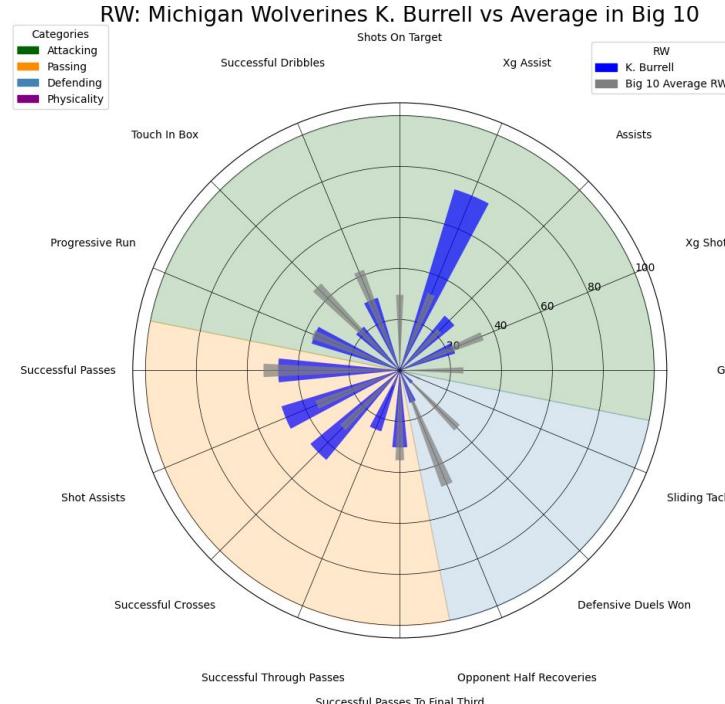
Harshe #3



Bosley #4



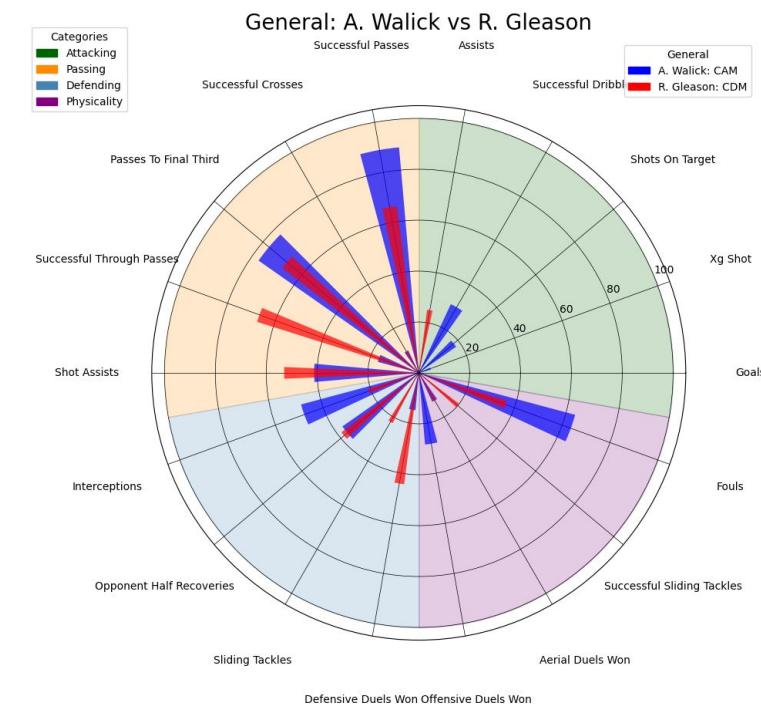
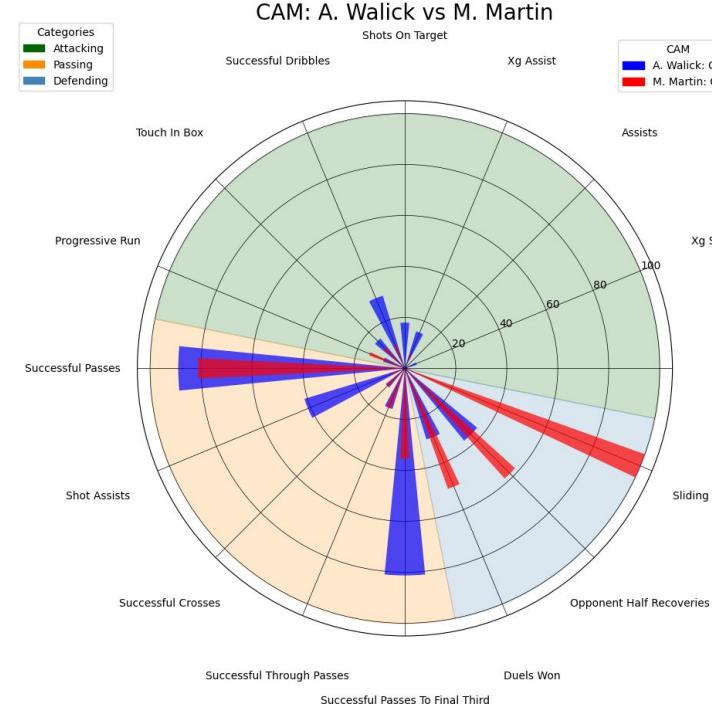
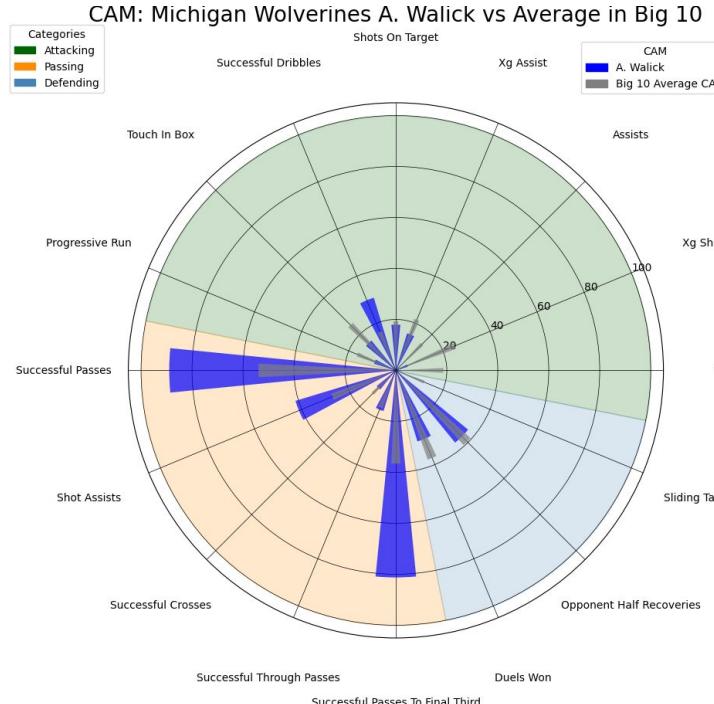
Burrell #5



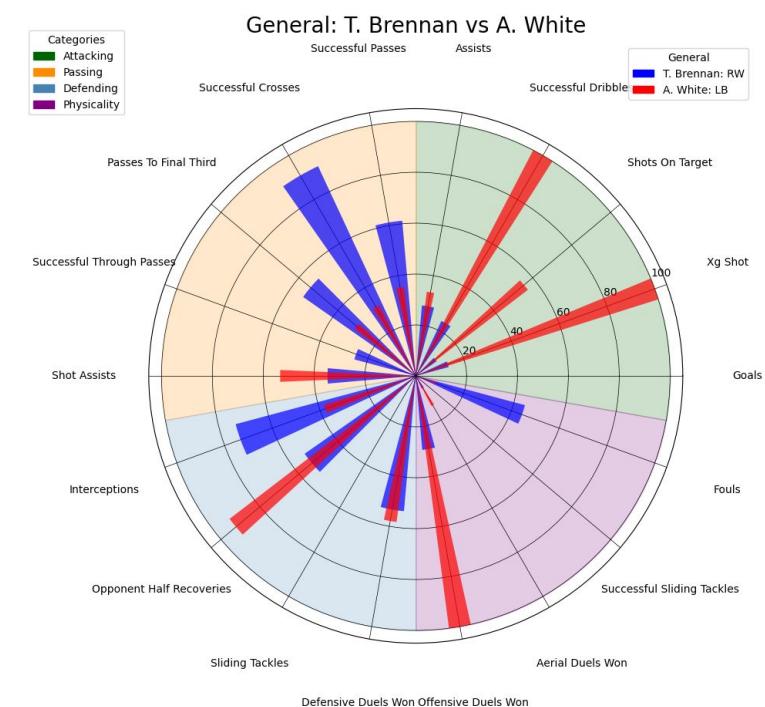
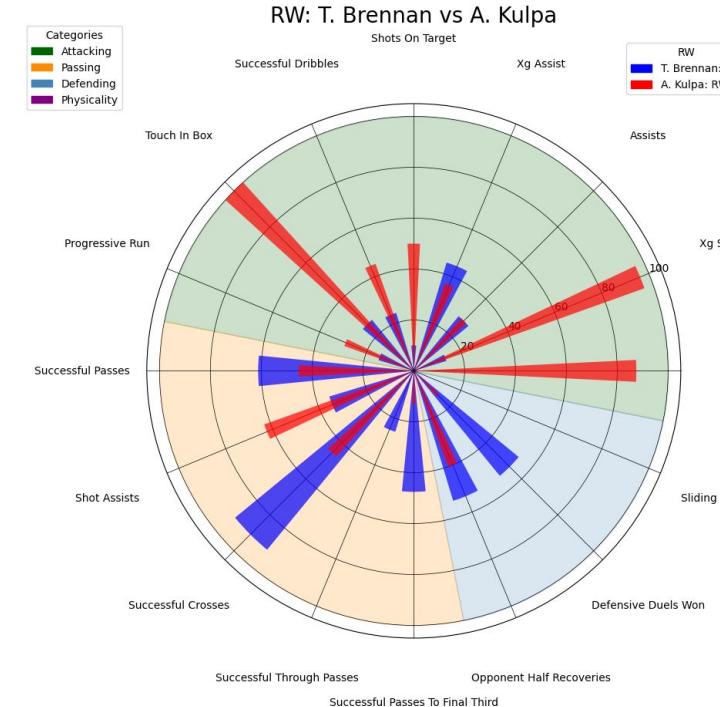
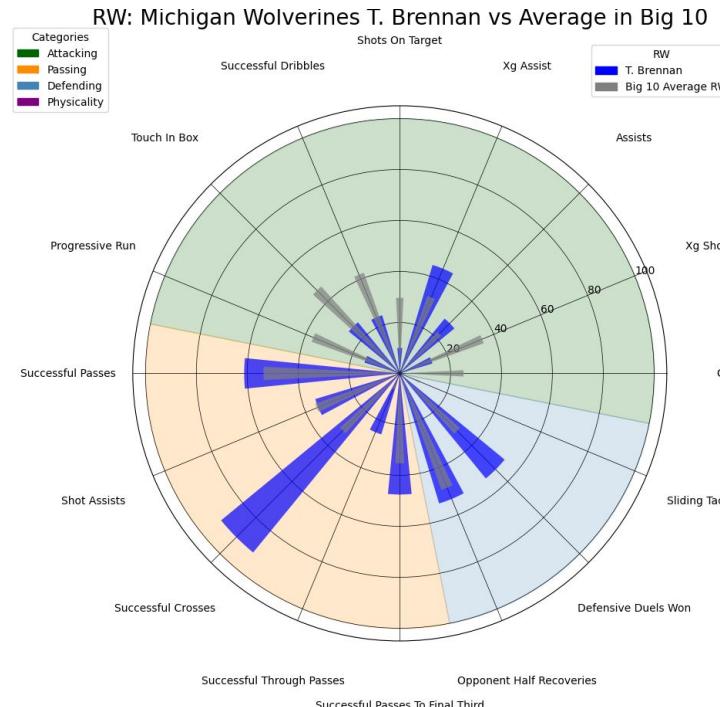
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Walick #6

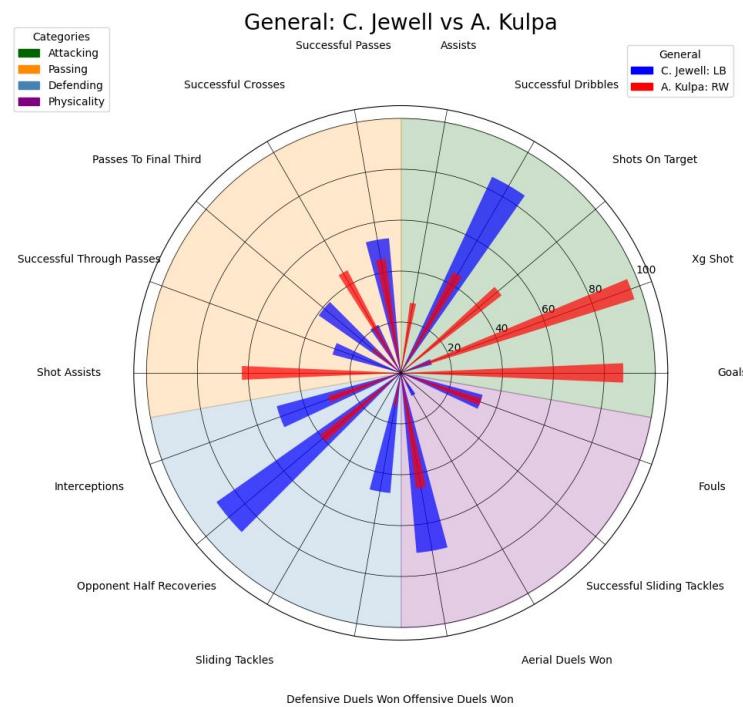
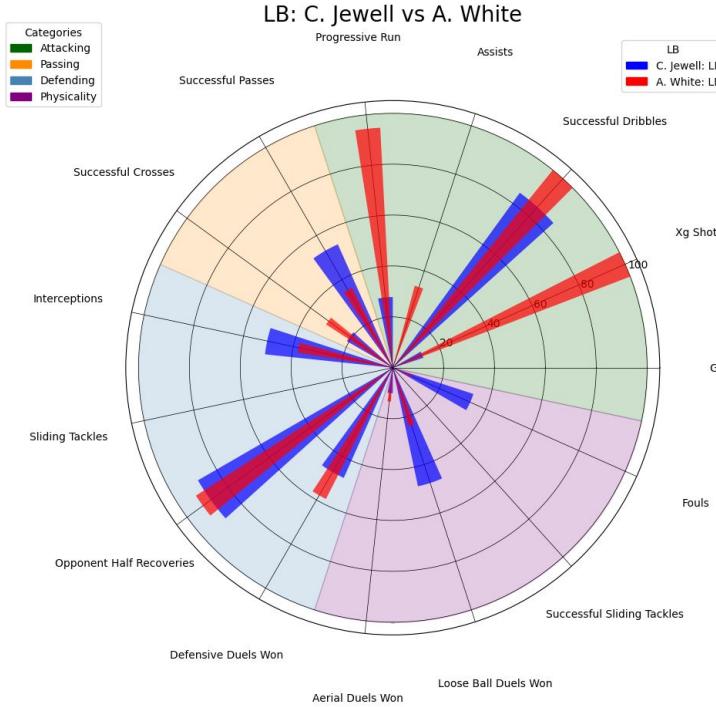
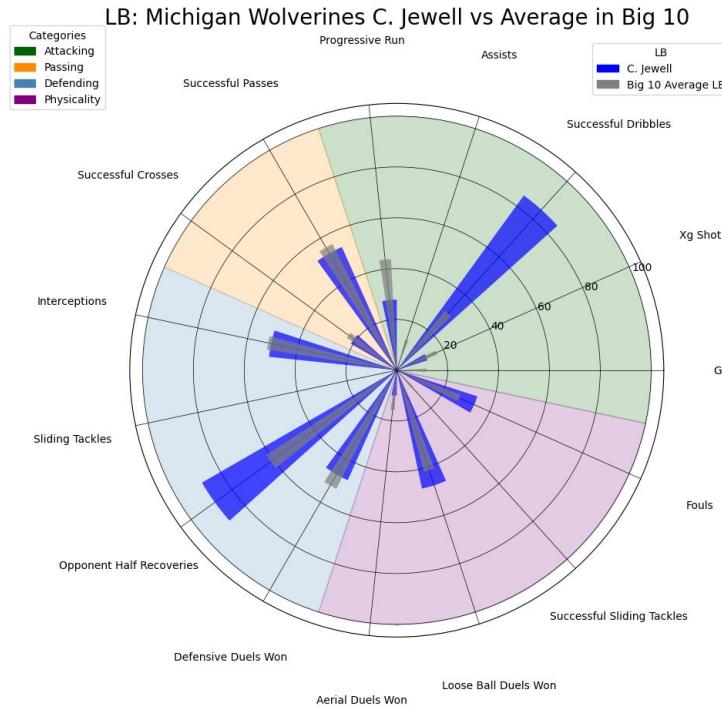


Brennan #8



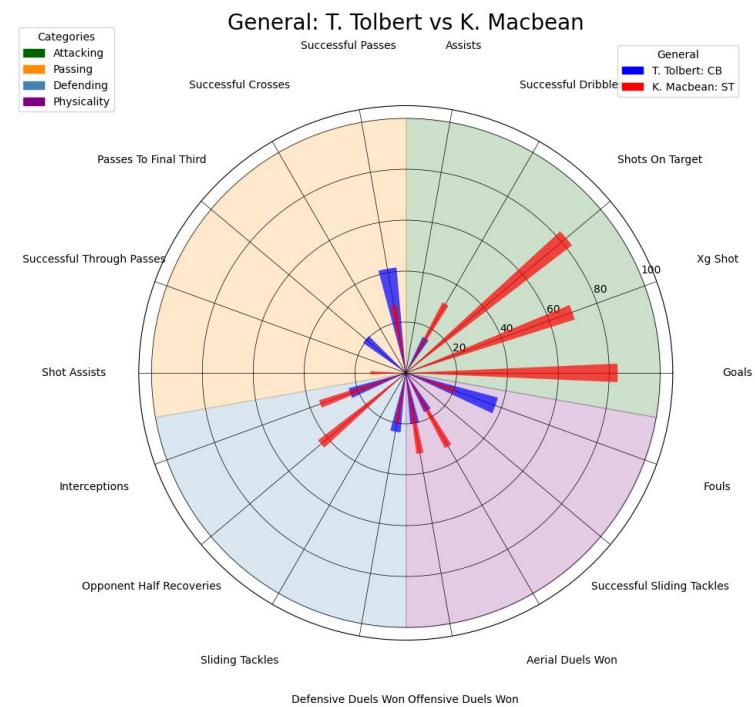
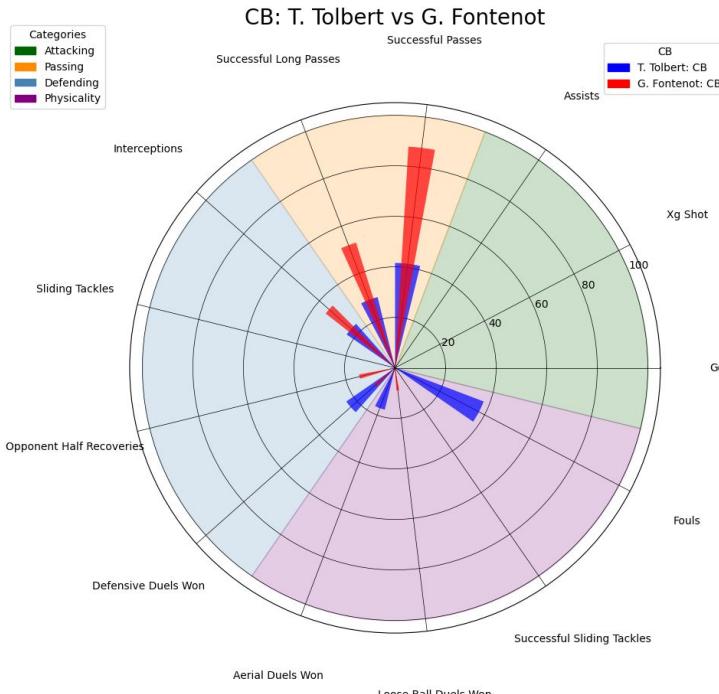
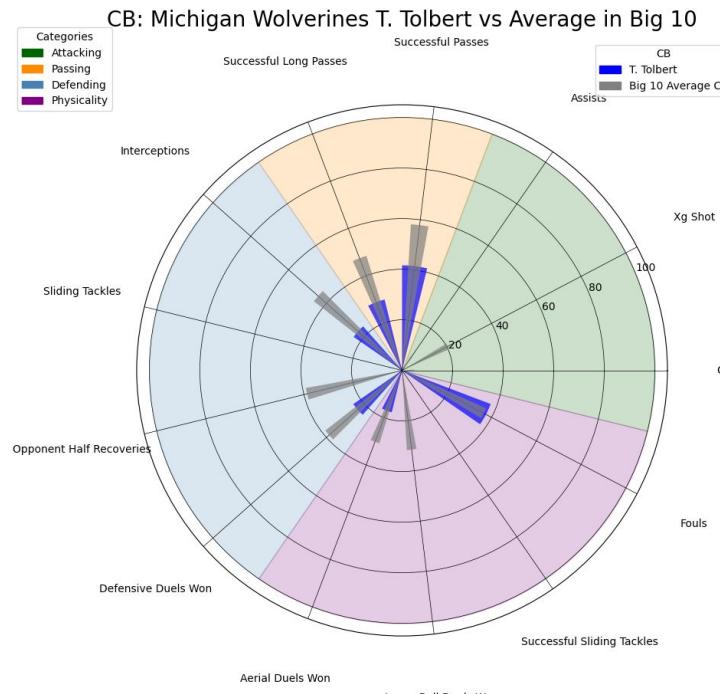
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Jewell #10



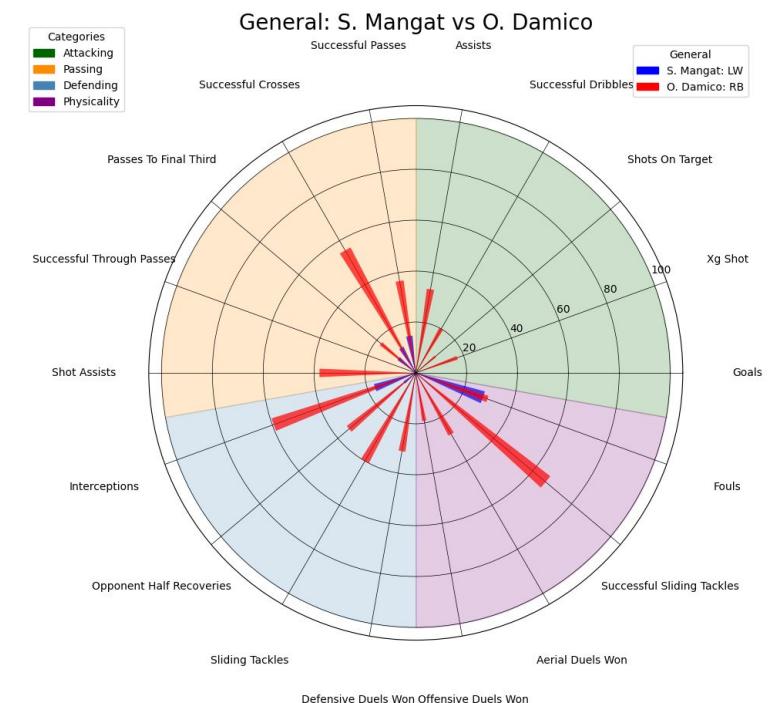
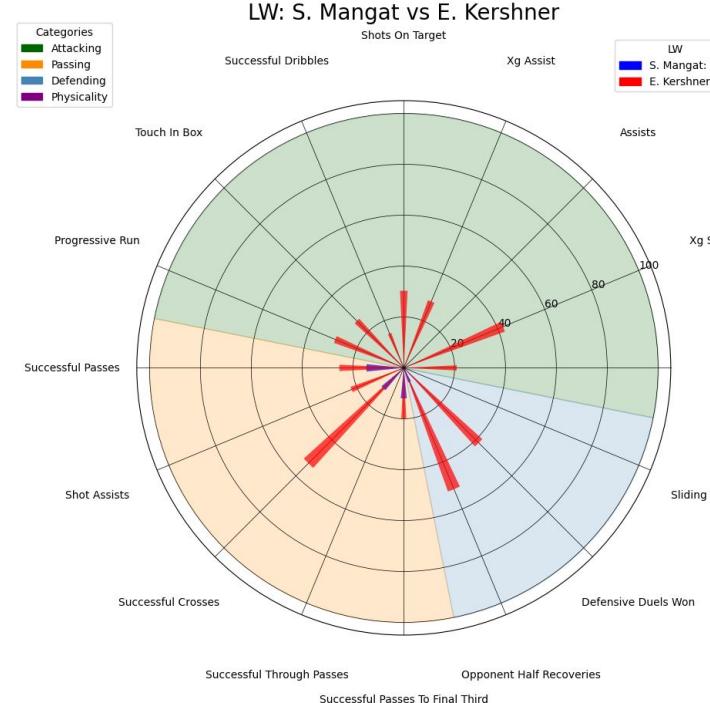
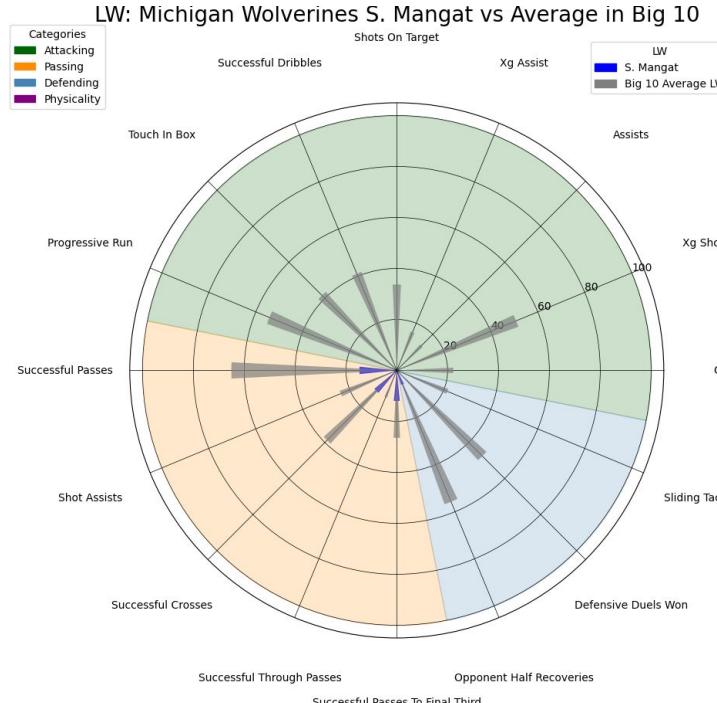
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Tolbert #12



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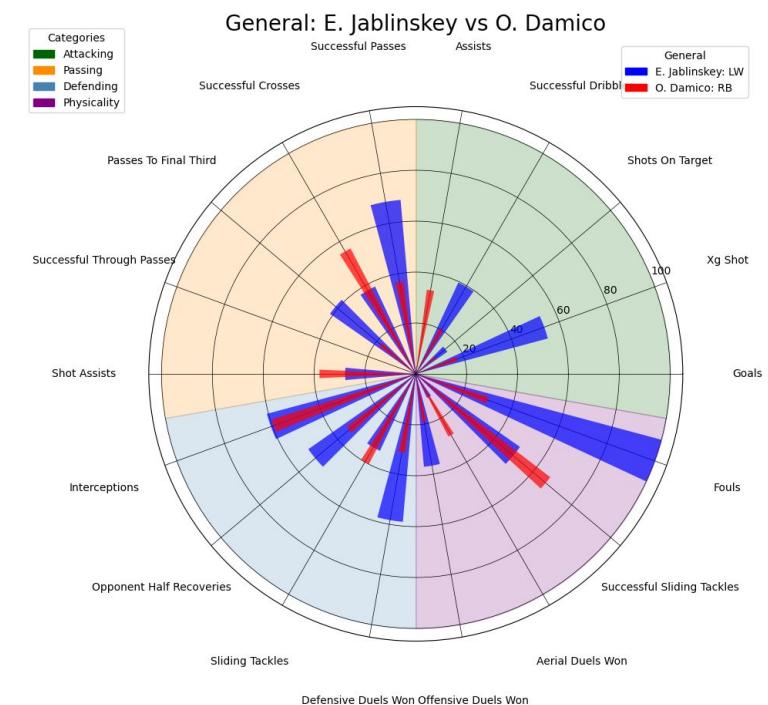
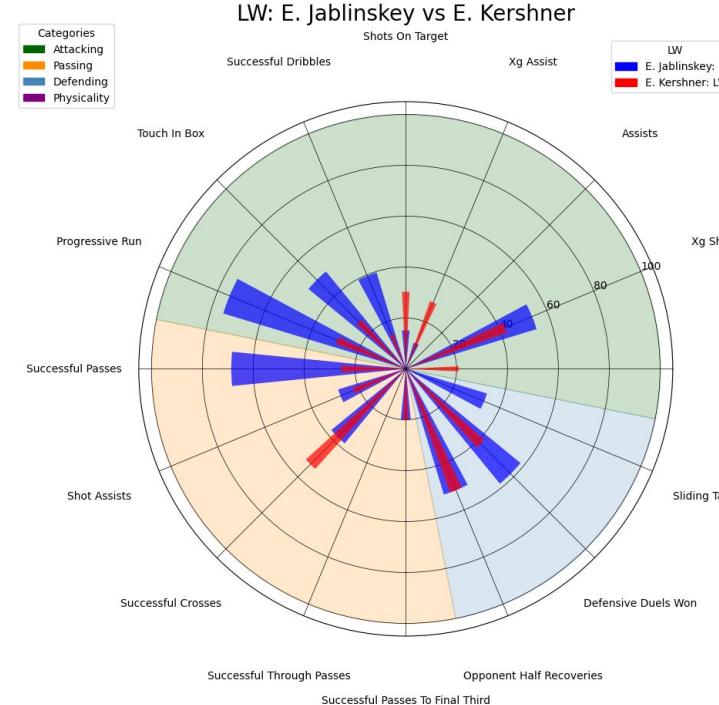
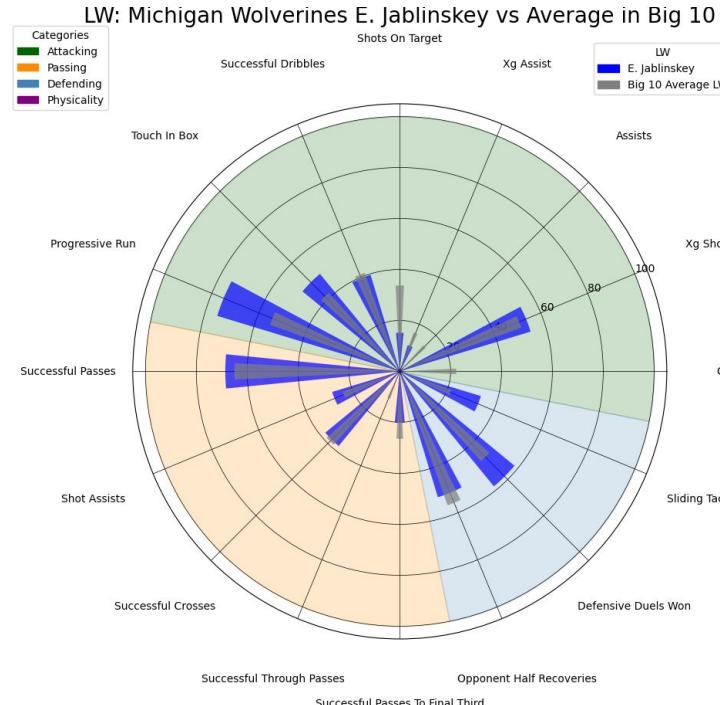
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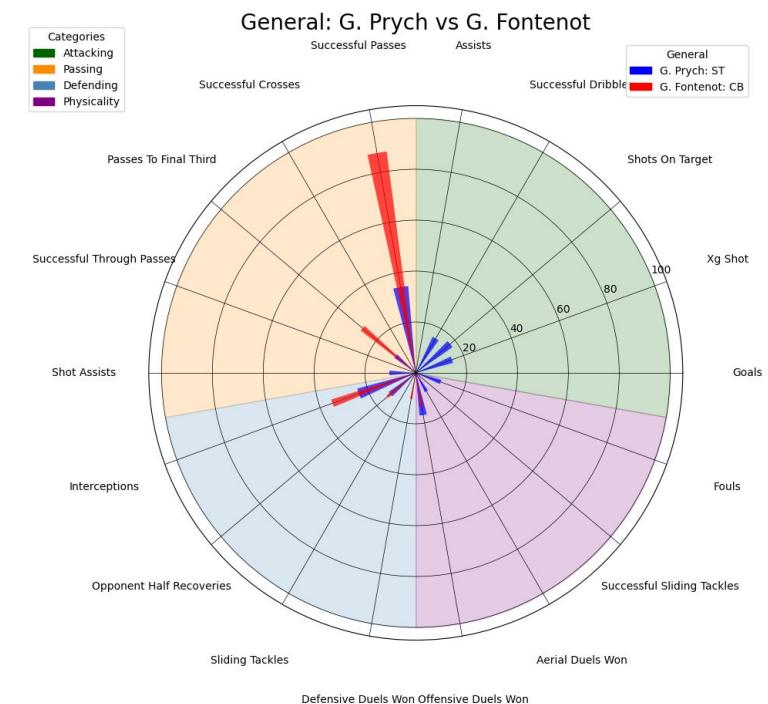
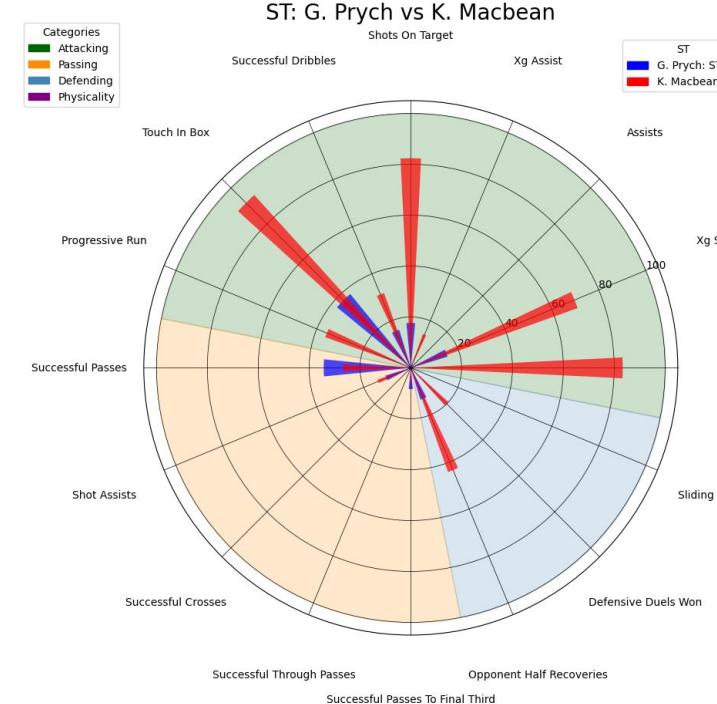
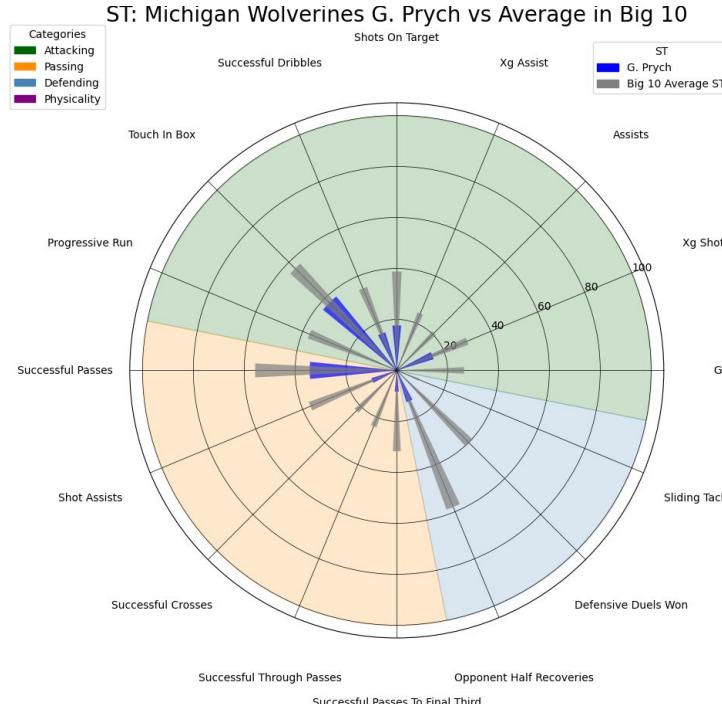
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Jablinskey #14



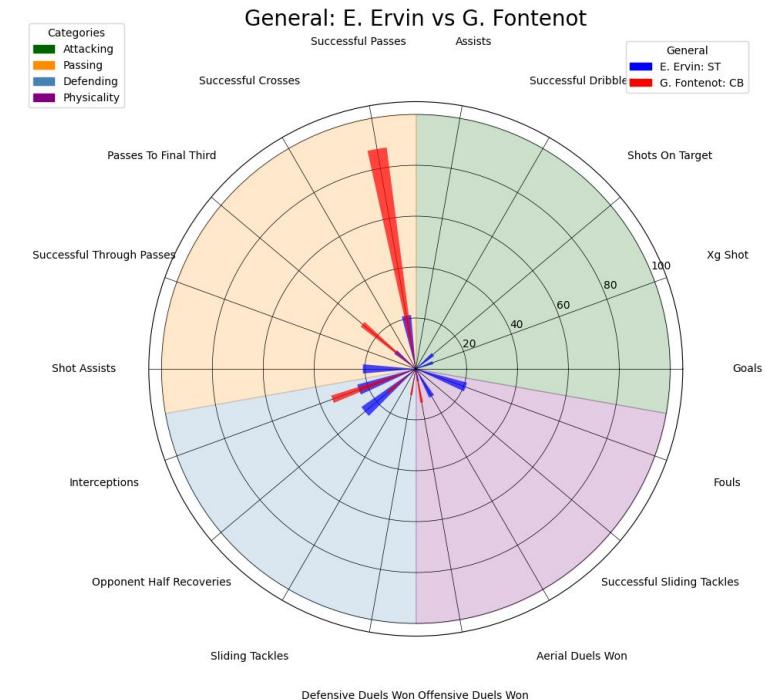
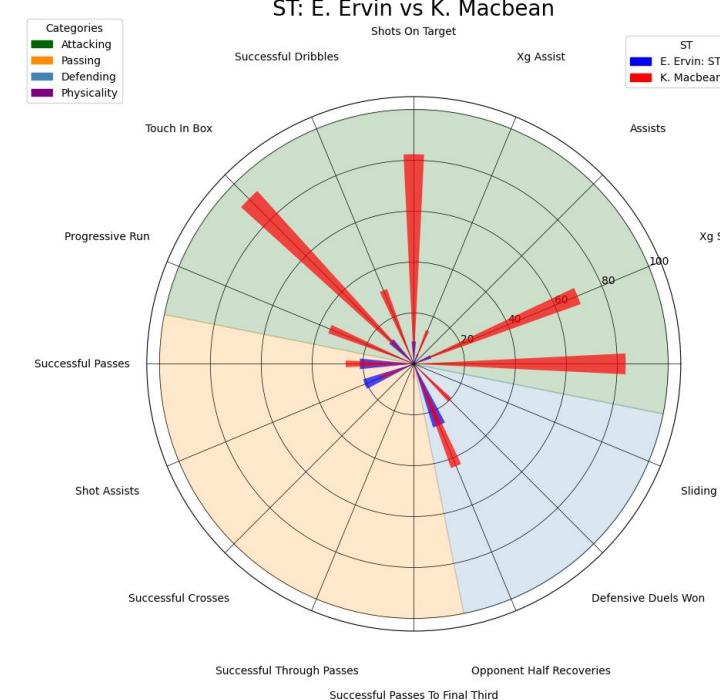
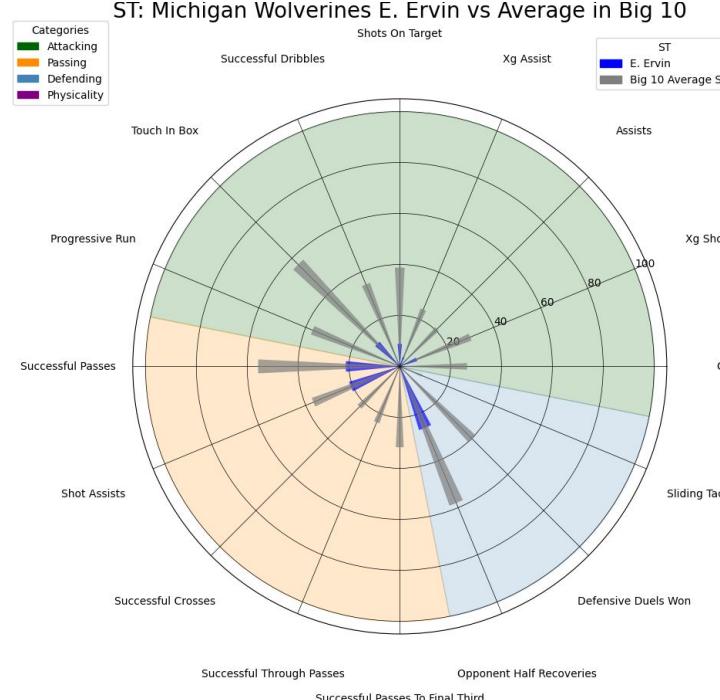
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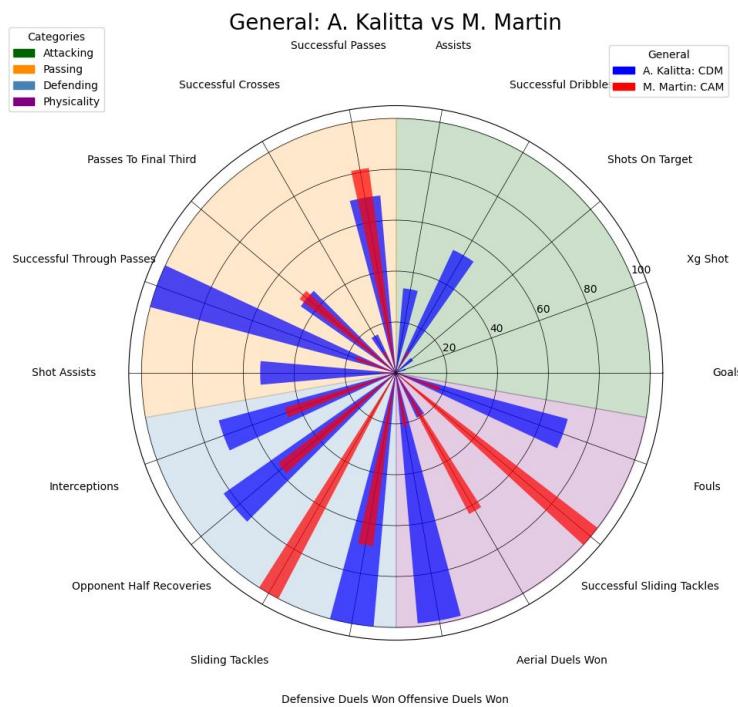
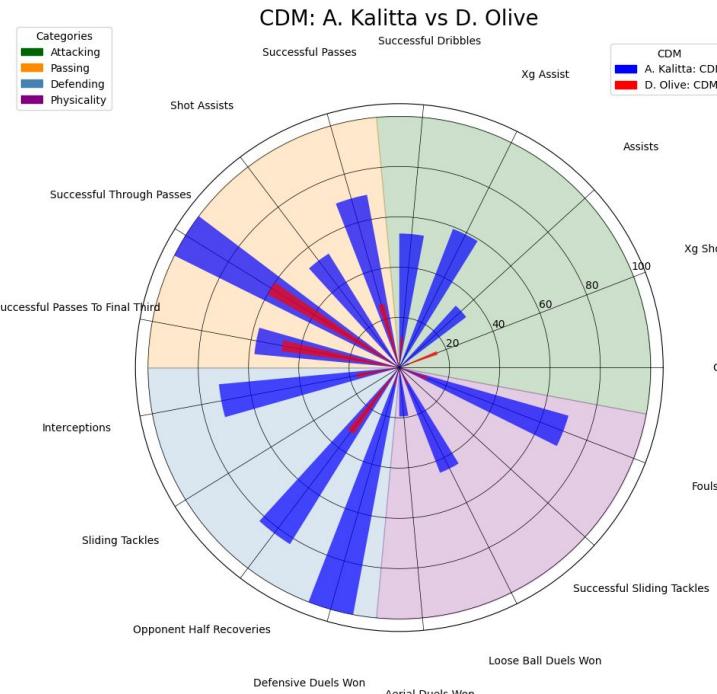
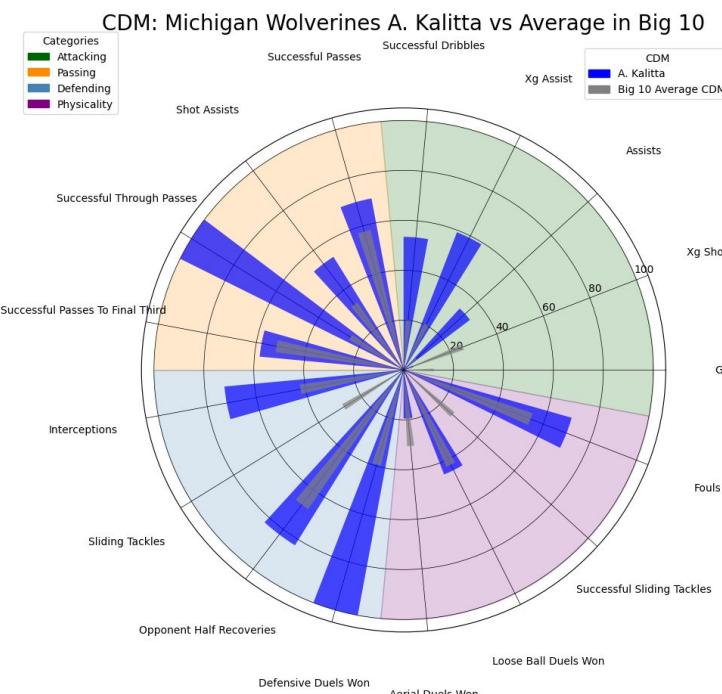
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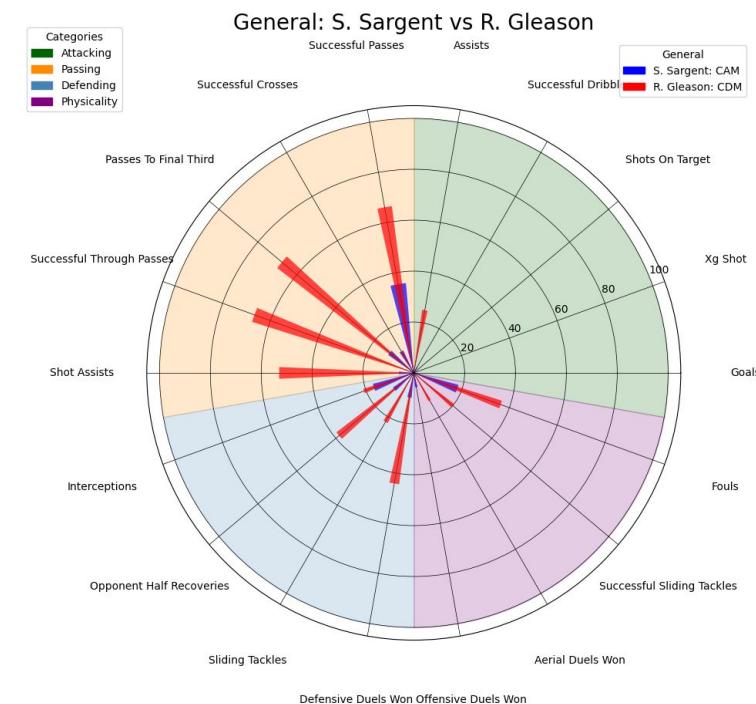
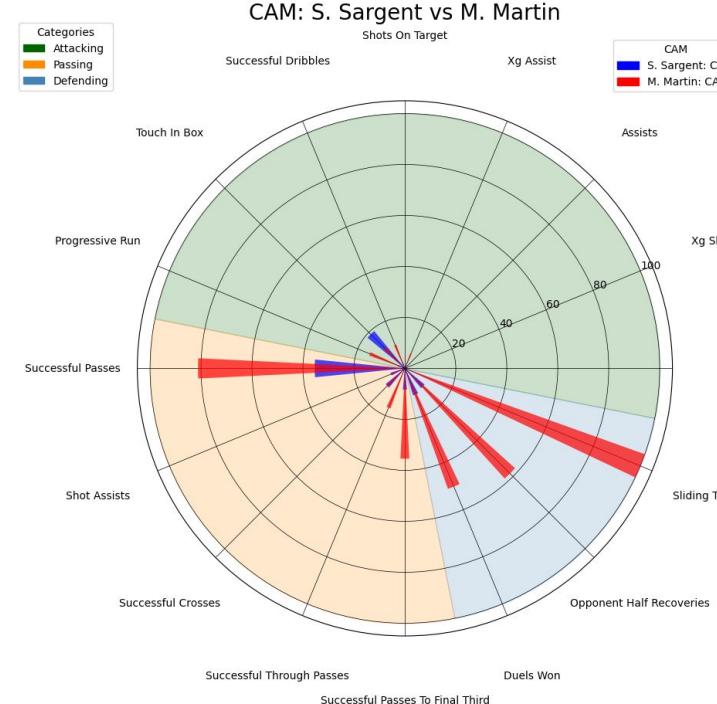
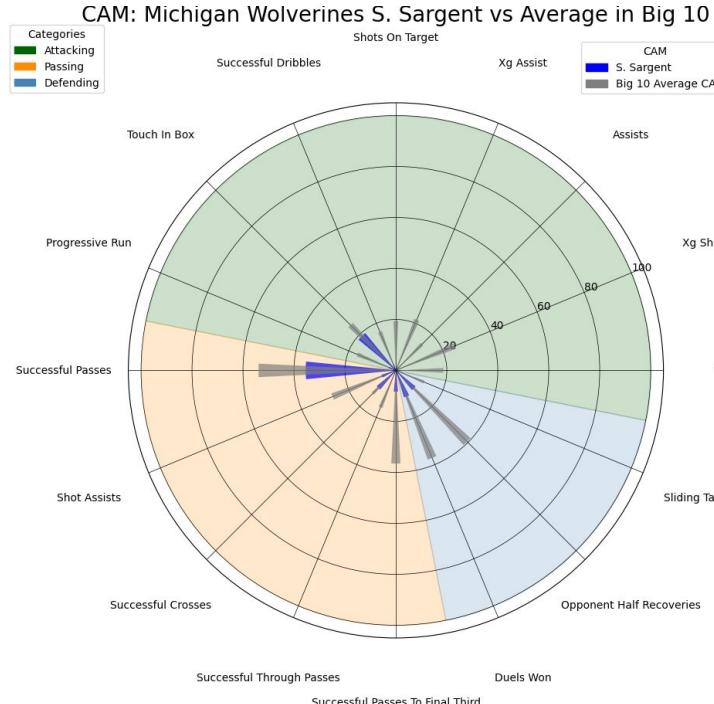
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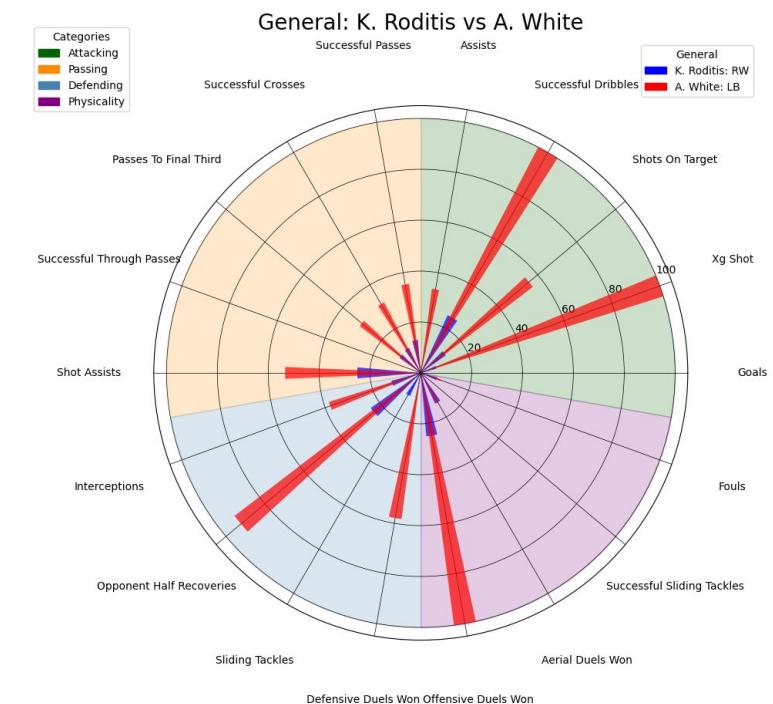
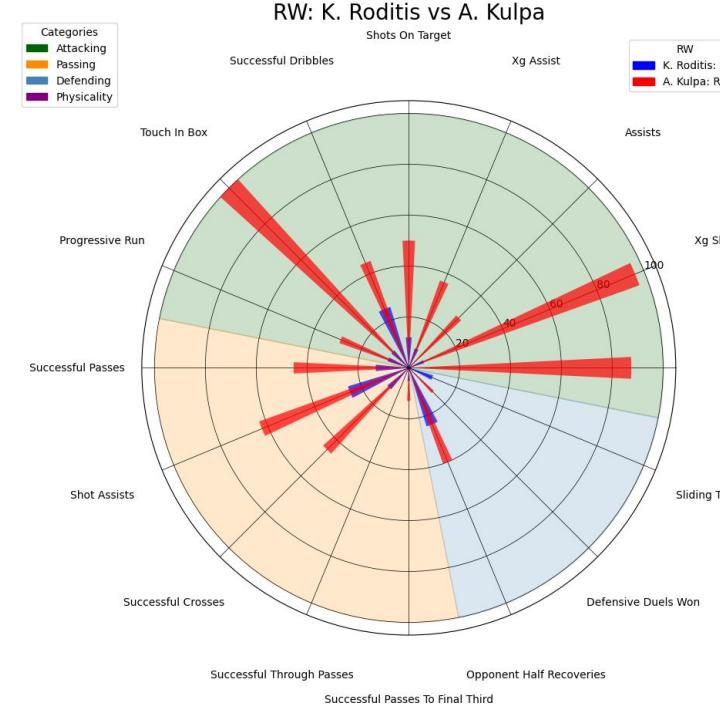
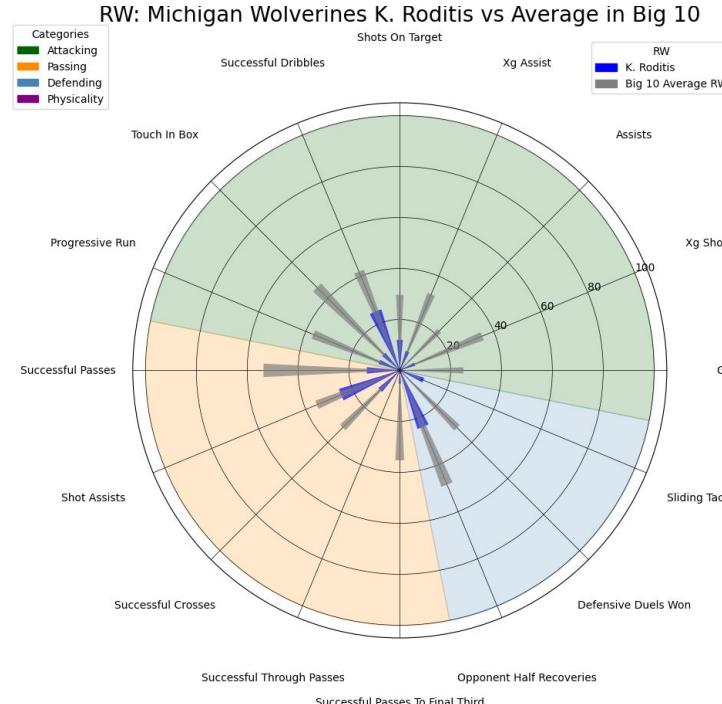
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Sargent #23



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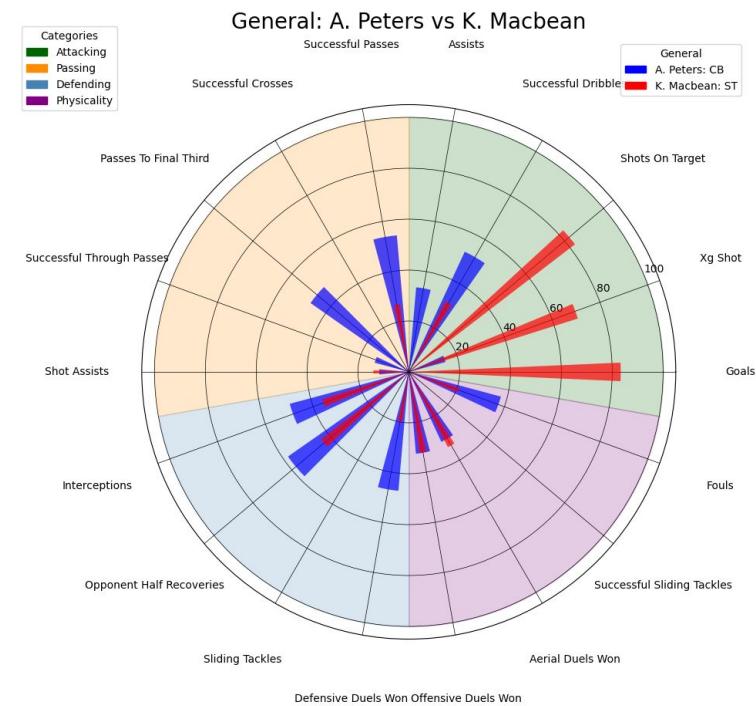
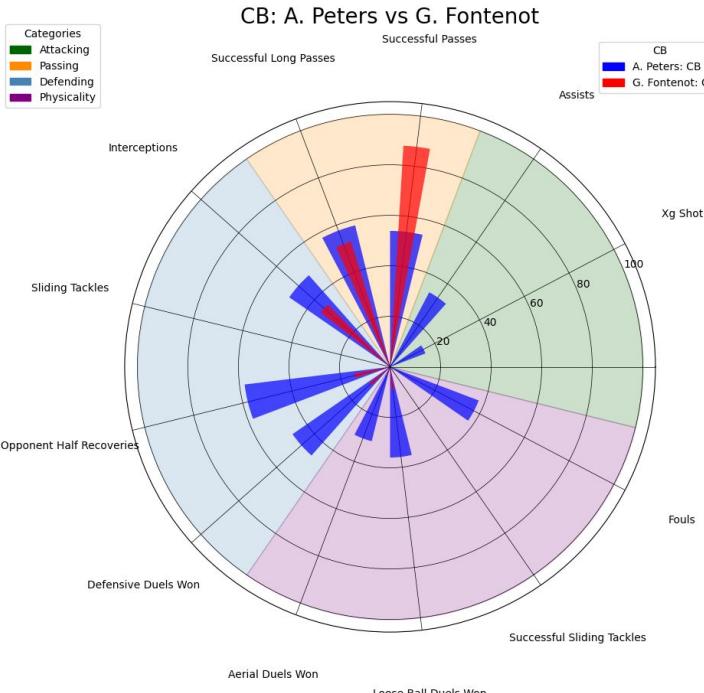
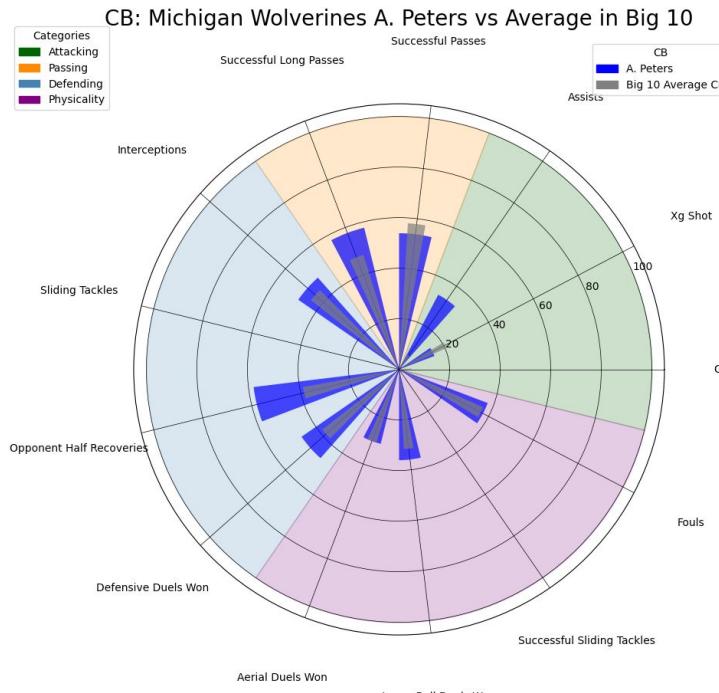
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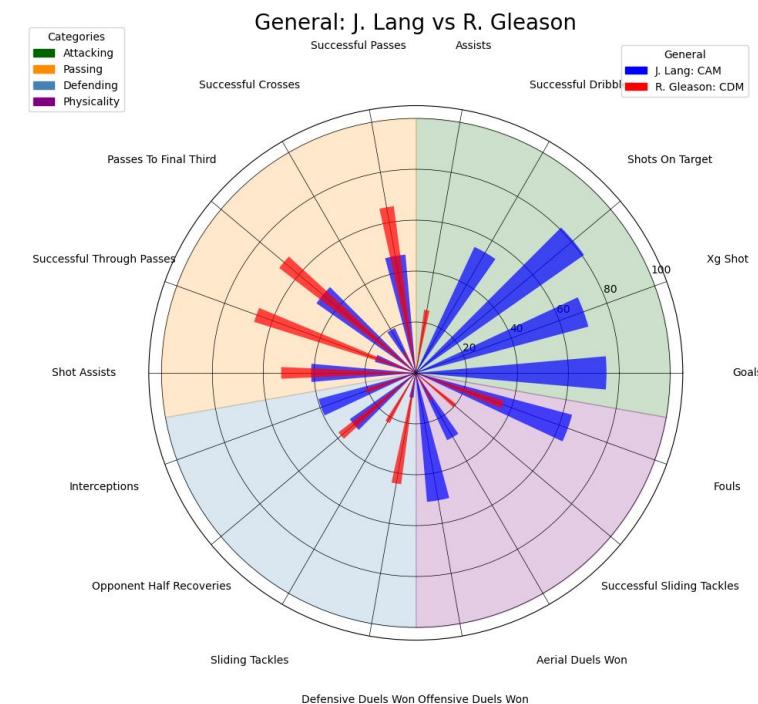
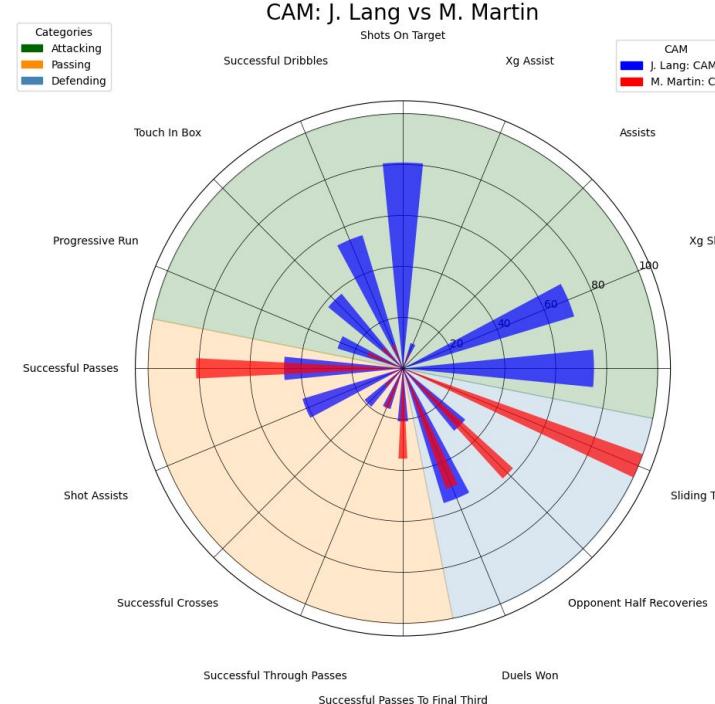
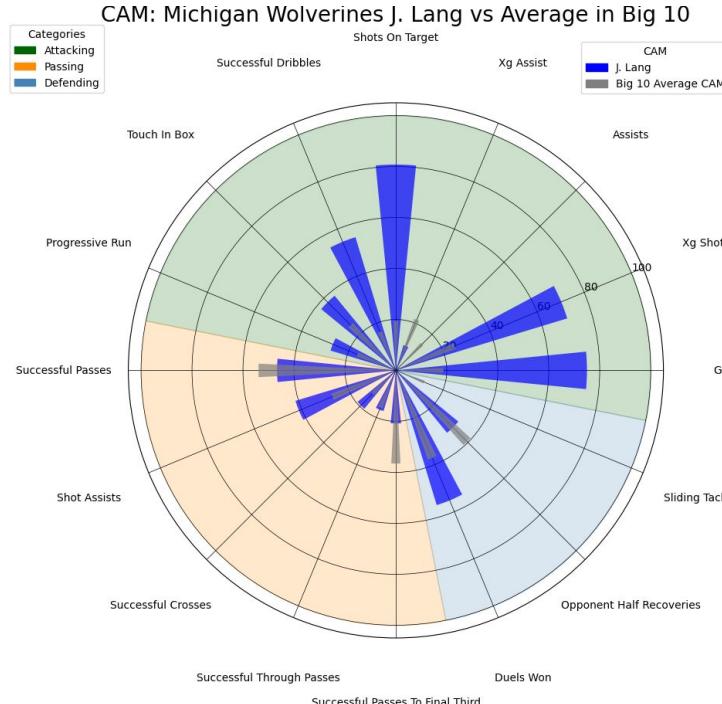
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Peters #25

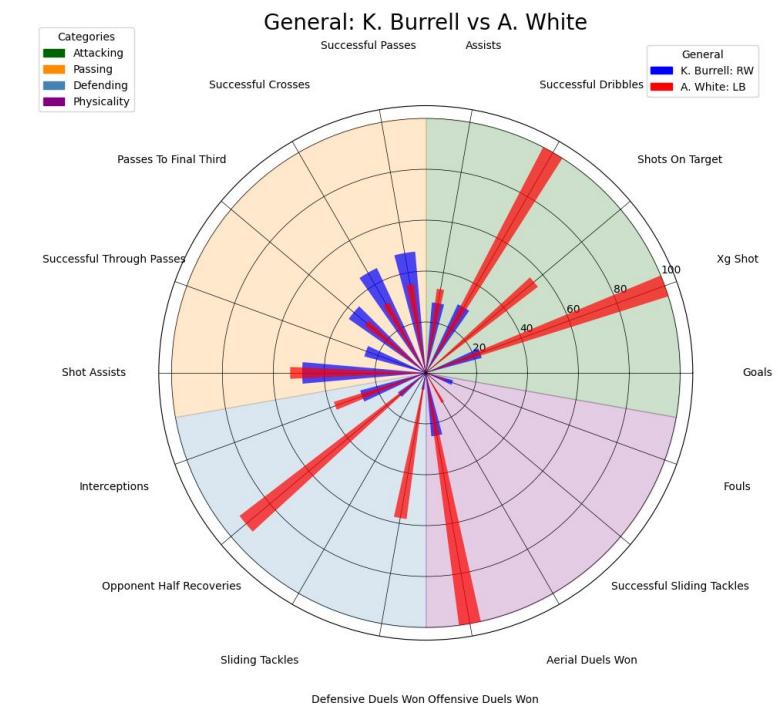
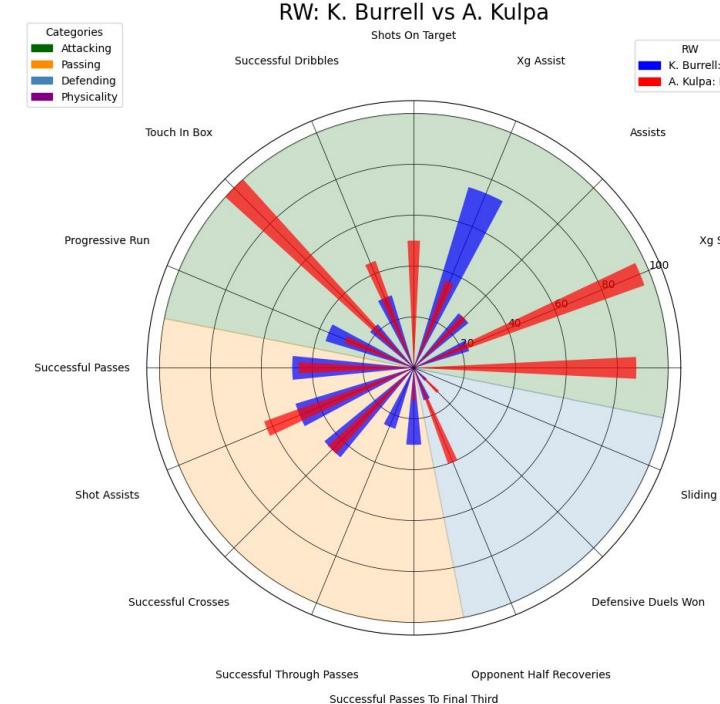
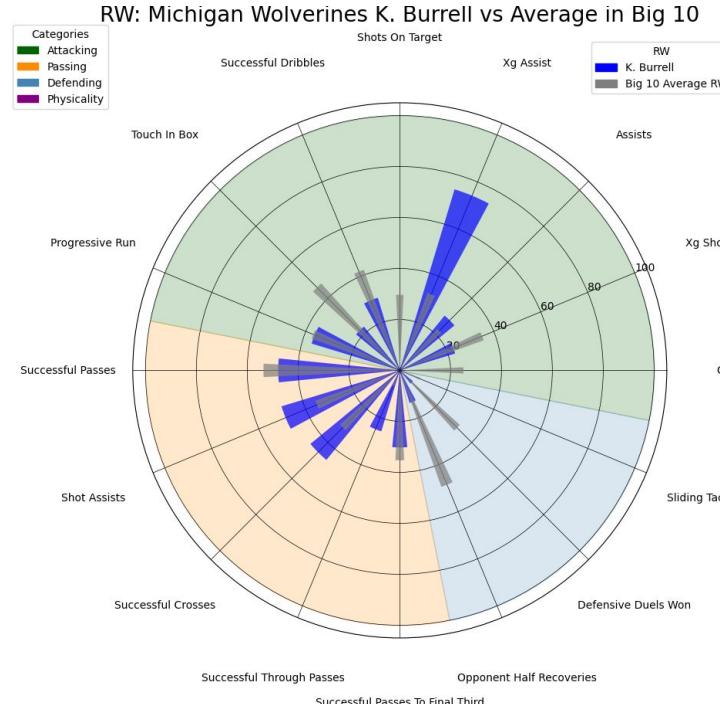


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Lang #26



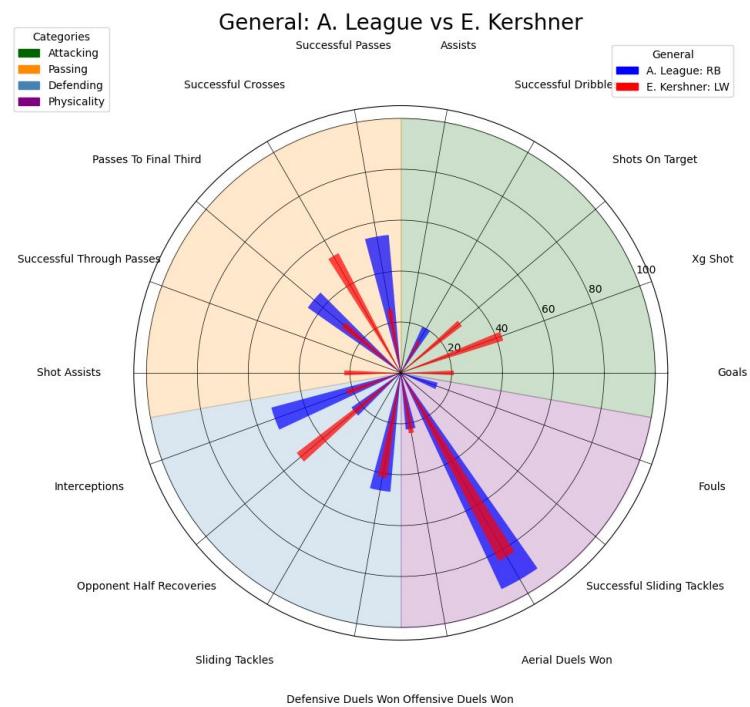
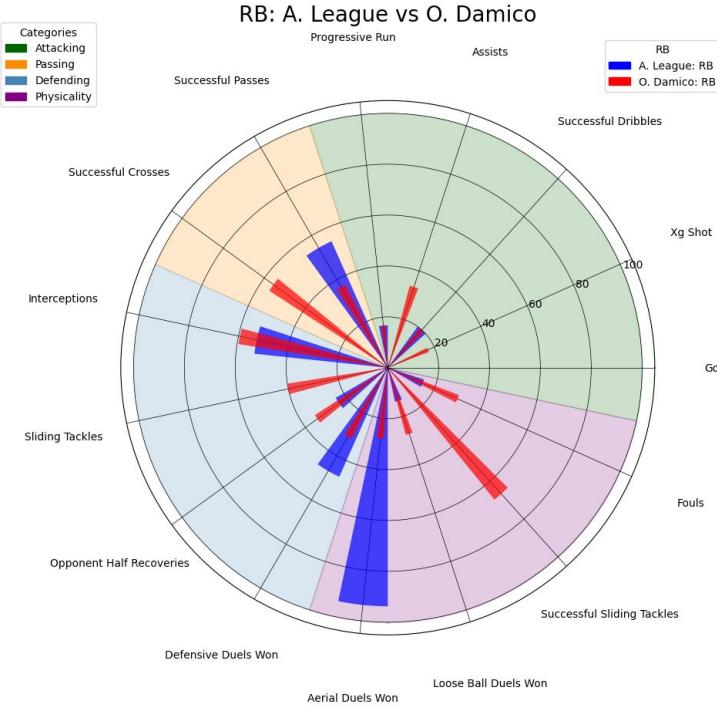
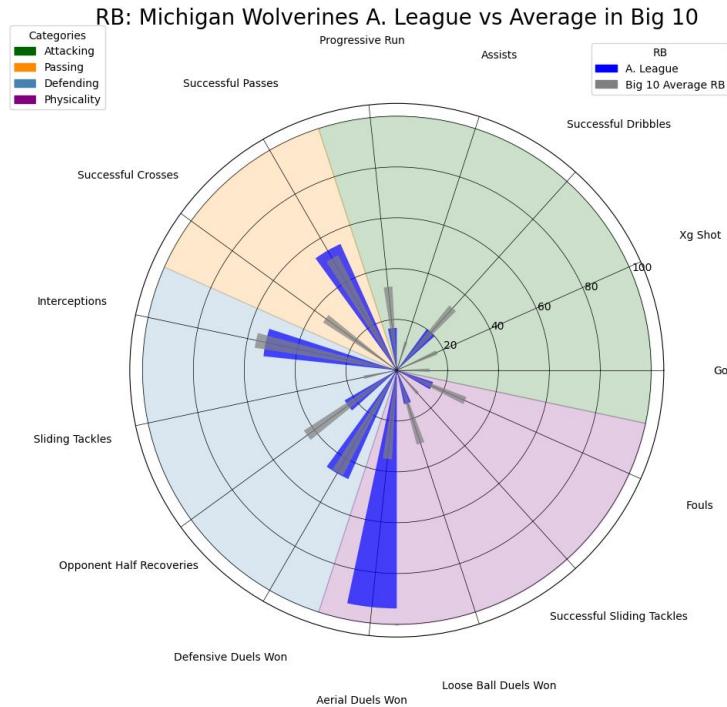
Junkmann #33



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League #34



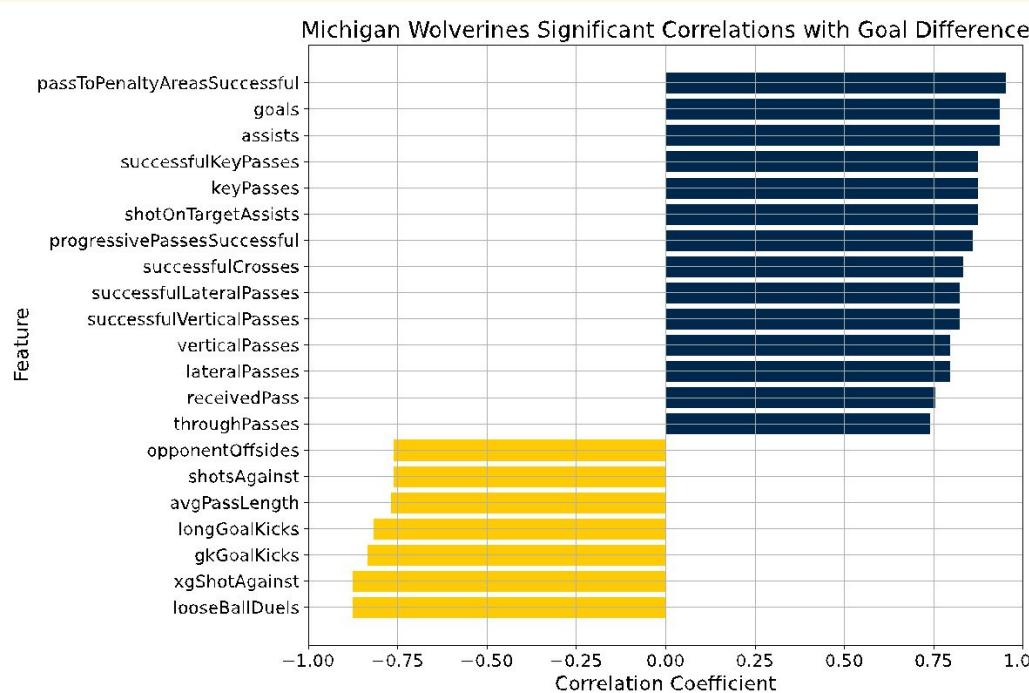
Analysis

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Team Analysis

Michigan



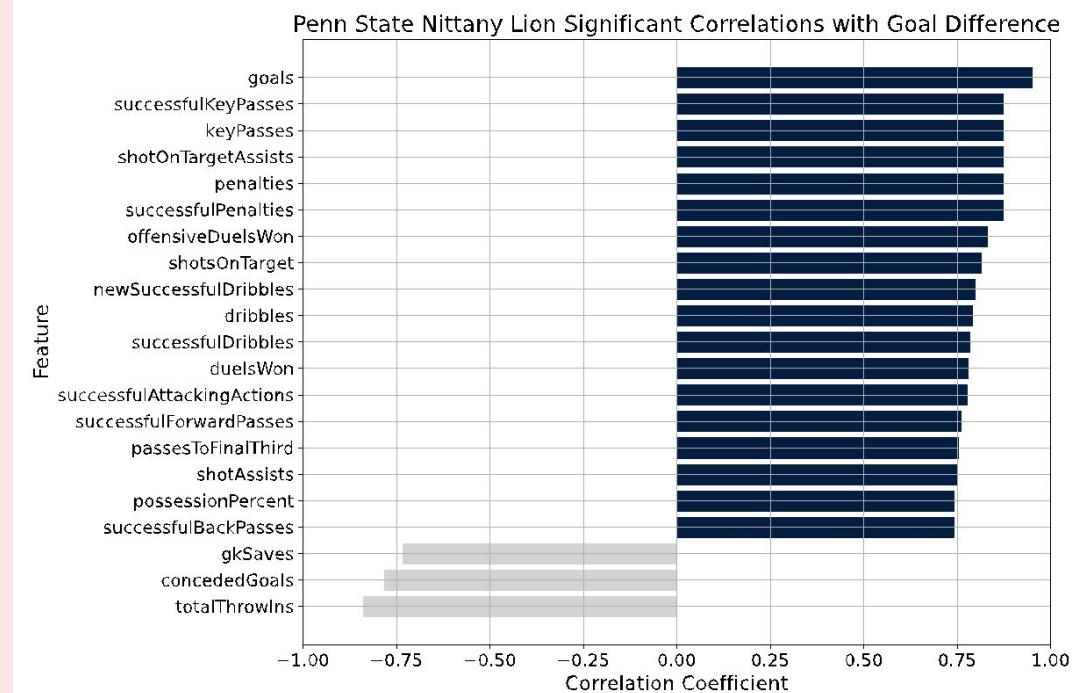
Keys to success:

- Successful passes (Keep the ball!!!)
- Accurate crosses and progressive passes

Keys to failure:

- Long goal kicks
- Loose ball duels

Penn State



Keys to success:

- Successful passing game
- Offensive duels won
- Key passes, crosses, forward passes

Keys to failure:

- Throw ins

This analysis is based on data from only 5 (Michigan) and 5(Penn State) games.

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Data & Other Information

This report was created using data from Wyscout (<https://www.hudl.com/products/wyscout>). The data was collected on 8/27/2024 (Iowa State last game against UNI, Michigan last game against Colorado.)

This report was created by Colin Badgero, David Lee, Selina Rey, Nikhil Satpathy, Simon Vasquez, Aubree Xia, Lauren Brideau, Claire Dawson, Jin Yong Kim, Raed Al Kontar, Albert S. Berahas and Salar Fattahi.

This project is funded by the The Michigan Institute for Data & AI in Society (<https://midas.umich.edu/>) under the grant “WinAI: Propelling UM Soccer with Data-Driven AI” and the Industrial and Operations Engineering department.