

FIFA Women's World Cup Shooting Analysis

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Data



- All shot attempts from 2023 FIFAWWC
- Variables include
 - Names
 - Shooting Metrics
 - Shot Location
 - Result
- Courtesy of StatsBomb

Research Questions

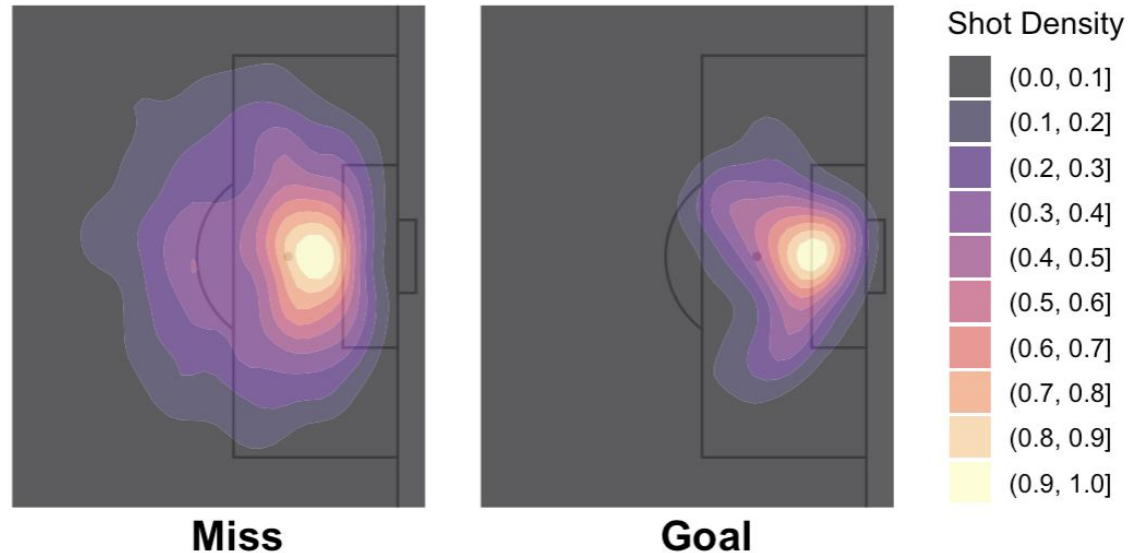
- How do shooting locations vary between successful (goals) and unsuccessful (misses) shots?
- Who are the best performing goalkeepers?



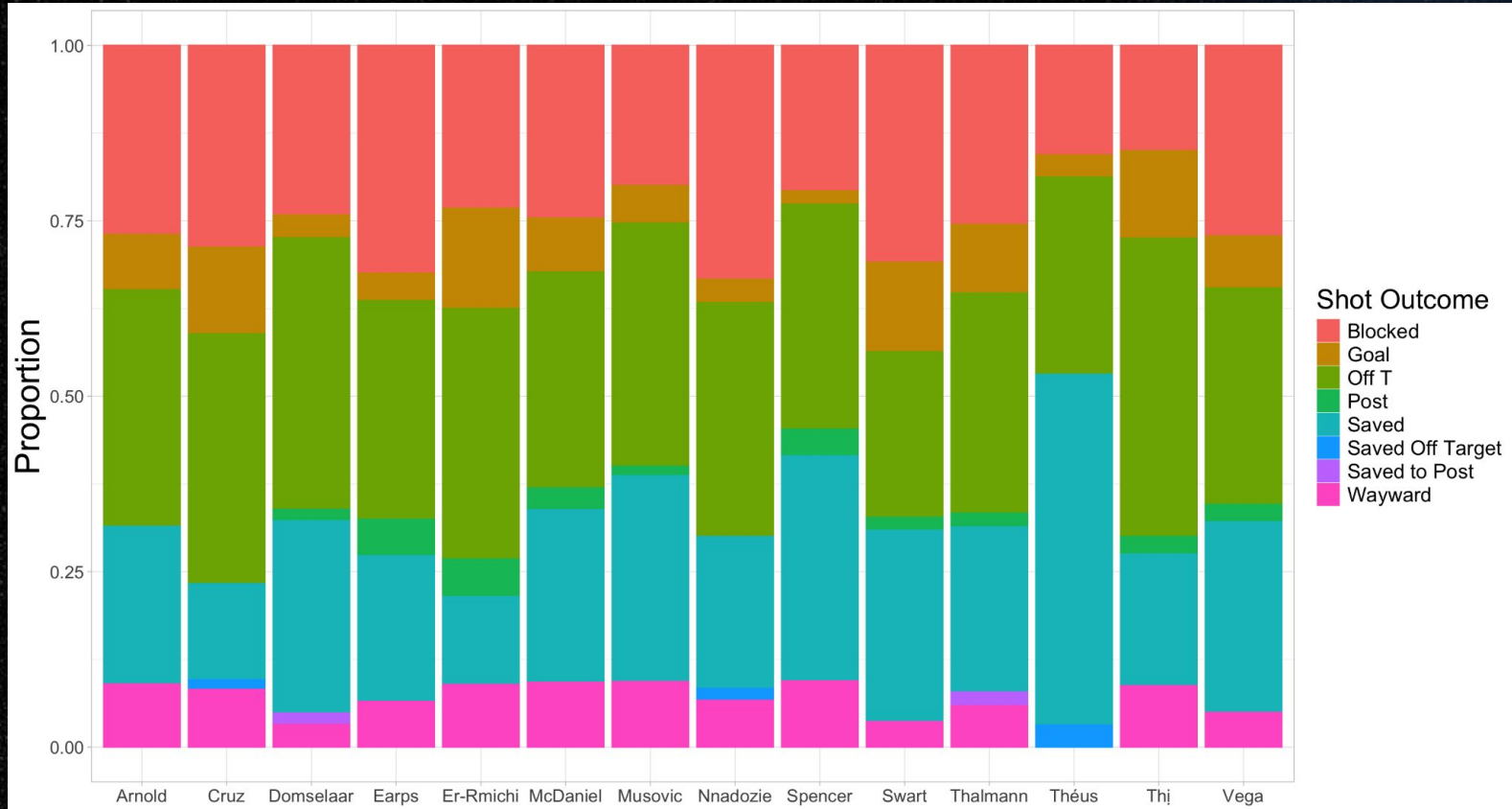
High Concentration of Goals Taken From Inside the Box

Location Density of Shot Attempts

Normalized density estimate of shot locations by outcome (goal vs miss)



Goalies Don't Have The Same Chances



Group Stage

Kerly Théus



Eliminated

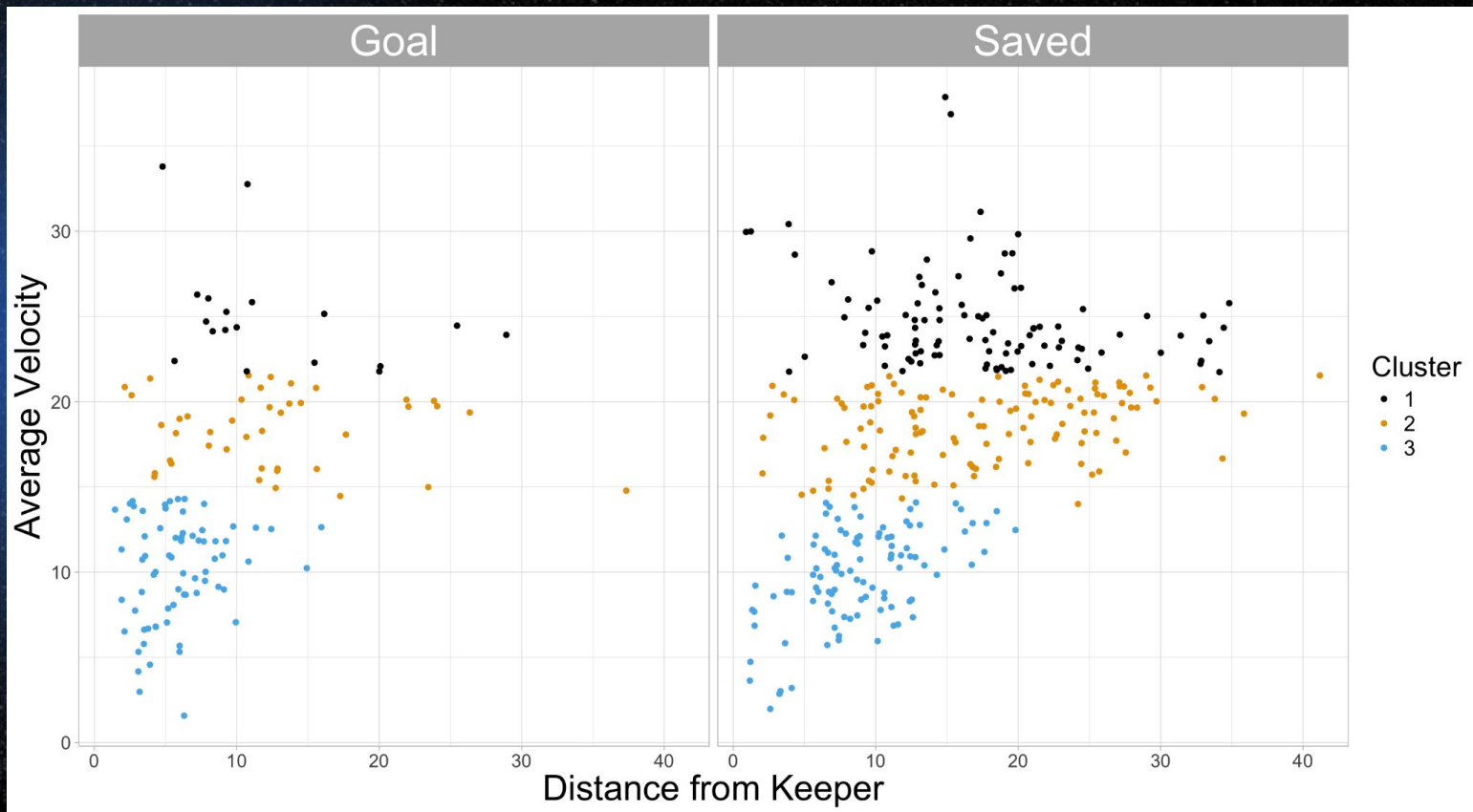
32	Shots	42
5	Blocked	10
9	Off Target	22
17	Saved	6
1	Goals	4

Khadija
Er-Rmichi



Advanced

Distance Matters More Than Velocity



Conclusion

- Goals come from tighter, central zones inside the penalty box, whereas misses tend to come from broader areas across the pitch
- Clean sheets don't tell the full story on goalkeeper performance
- No amount of power compensates for being too far
- Limitations
 - Small data set
 - Only live-play shots (no penalty kicks)
- Future research: compare with full season results

Appendix

Goalie Performance



When One-Shot Wonders Scored

Sanne Troelsgaard-Nielsen
Jun Endo
Osinachi Marvis Ohale
Allyson Swaby
Sarina Isabel Calpo Bolden
Lushomo Mweemba

0 25 50 75 100

Match Minute

Play Pattern

- From Corner
- From Free Kick
- Regular Play

Goal Locations for One-Shot Wonders

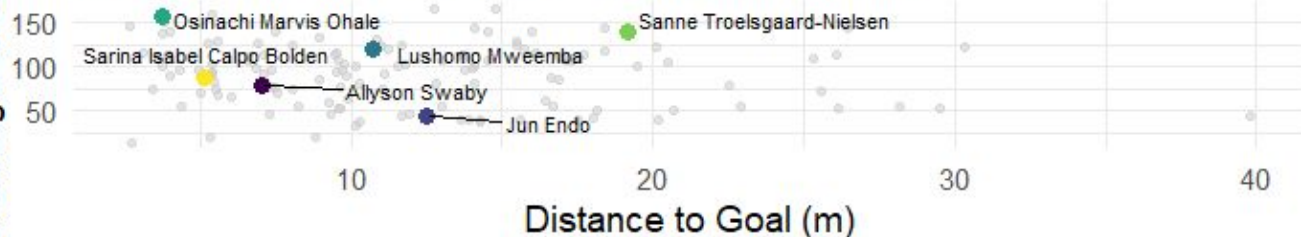


Play Pattern

- From Corner
- From Free Kick
- Regular Play

Shot Angle to Goal (°)

Where One-Shot Wonders Scored vs. All Goals



Player

- Allyson Swaby
- Jun Endo
- Lushomo Mweemba
- Osinachi Marvis Ohale
- Sanne Troelsgaard-Nielsen
- Sarina Isabel Calpo Bolden

Top 15 Goal-Scorers: Goals vs. 5-Factor Clutch Score

Clutch factors: late-game, under pressure, instant, quality, elimination

