

Option 2: FIFA

File created on: 2023-11-27 11:44:26 p.m. EST

Overview	Overview (cont'd)	Attackers	Midfielders	Defenders	GoalKeepers
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Data Overview

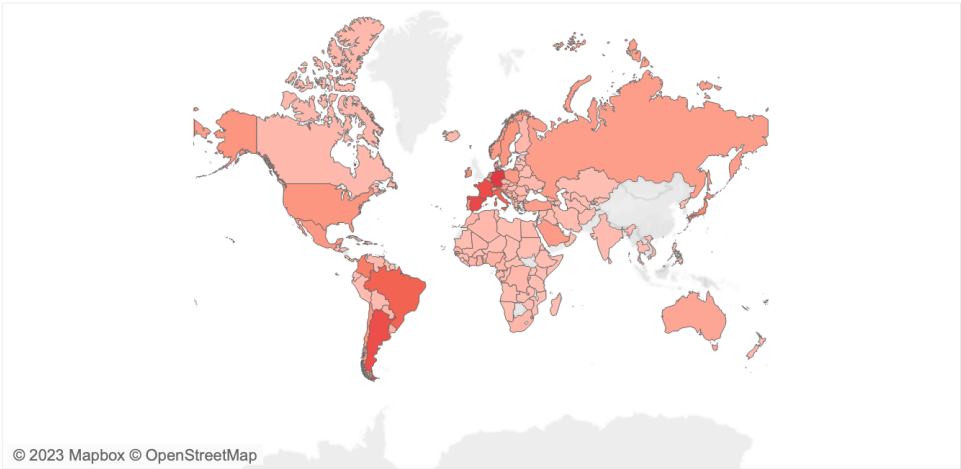
Player Nationality Map:

- Visual representation of player nationalities worldwide
- Europe and South America prominently featured

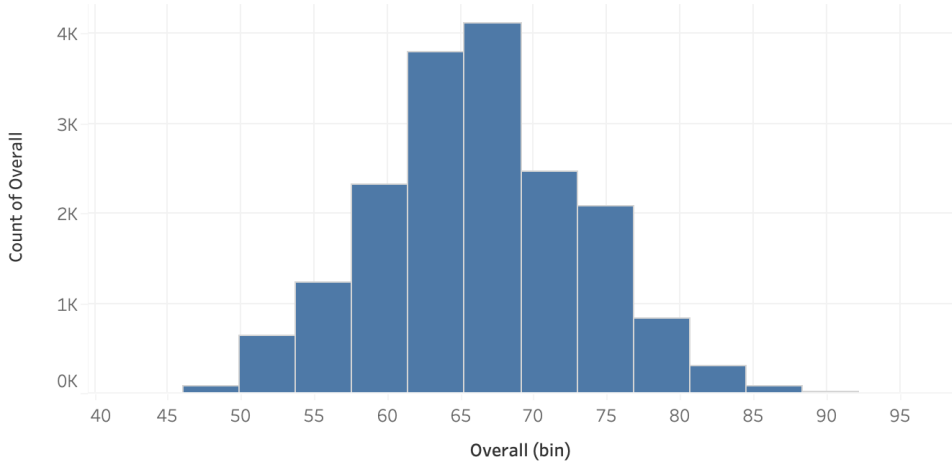
Distribution of Overall rating:

- Unified bell curve shape observed when categorizing players into overall rating bins

Nationality Map



Curve of Overall



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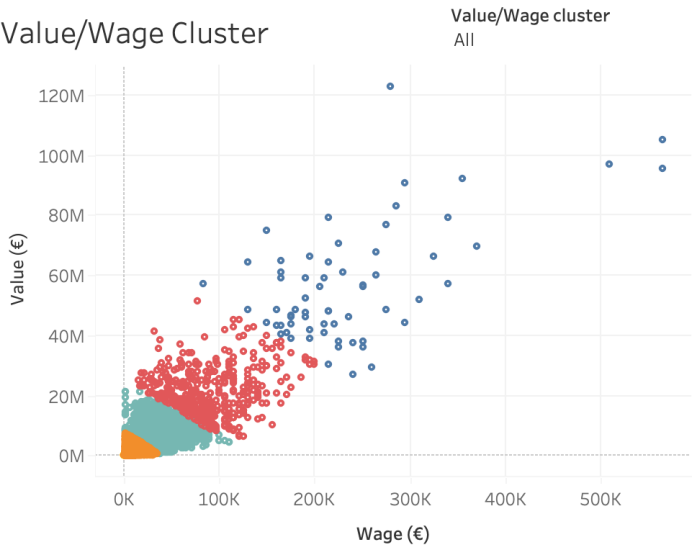
Data Overview (cont'd)

Wage-Value Relationship:

- Cluster plot visualizing the correlation between player wage and value.

Four Distinct Clusters:

- Green Cluster: 15,076 players (61.16%)
- Yellow Cluster: 2,429 players (9.87%)
- Red Cluster: 412 players (1.67%)
- Blue Cluster: 64 players (0.26%)

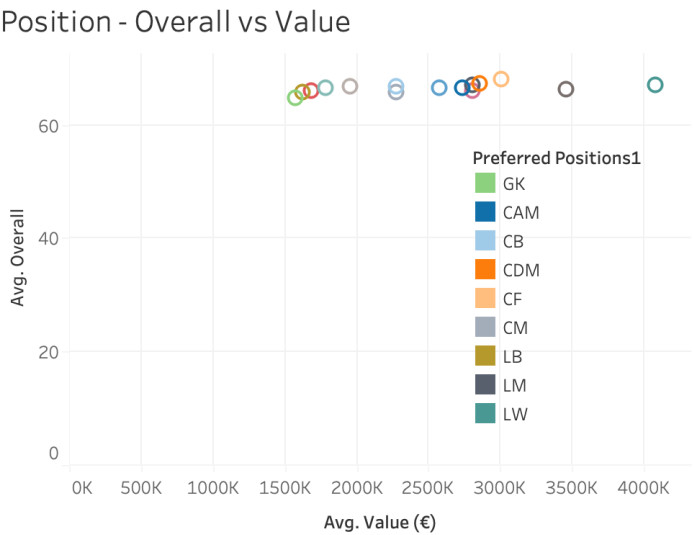


Overall-Value Relationship:

- Chart depicting the average value vs. average overall for each player position.

Noticable Findings:

- All positions appear close in average overall rating.
- Significant value difference (~2.5 m) between the highest position, LW and the lowest GK



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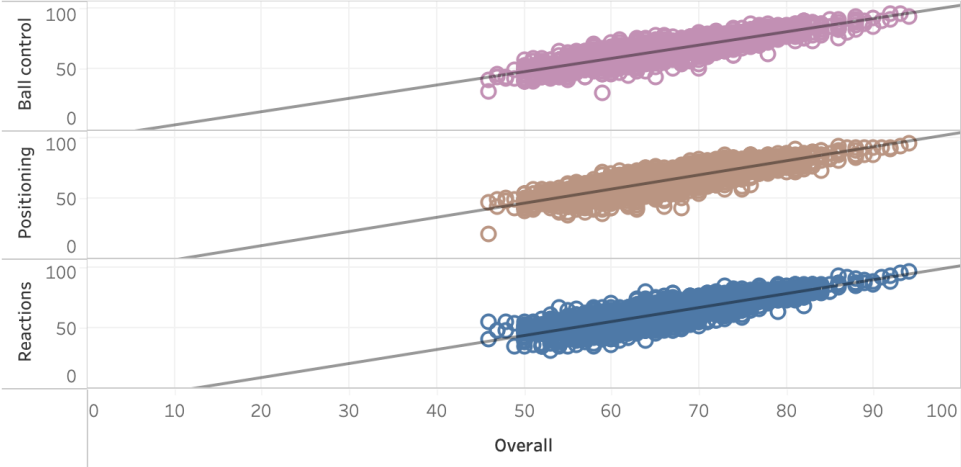
Attackers

Definition of Attackers:
- Include players with preferred positions of LW, RW, CF, and ST.

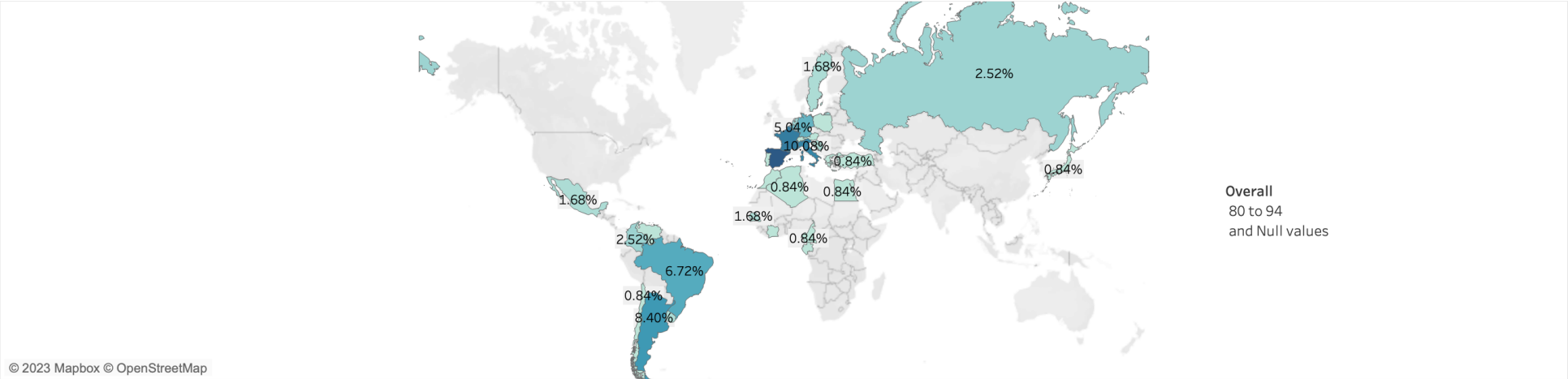
Key Attributes and R-Squared:
- The three primary attributes with the highest R-squared to Overall rating: Ball Control, Position, and Reactions.

Surprising Omissions:
- Attackers are commonly associated with attributes such as speed and finishing, both had low R-Squared

Attackers Attributes



80 + Attackers Nationality



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Midfielders

Definition of Attackers:

- Include players with preferred positions of RM, LM, CAM, CM and CDM

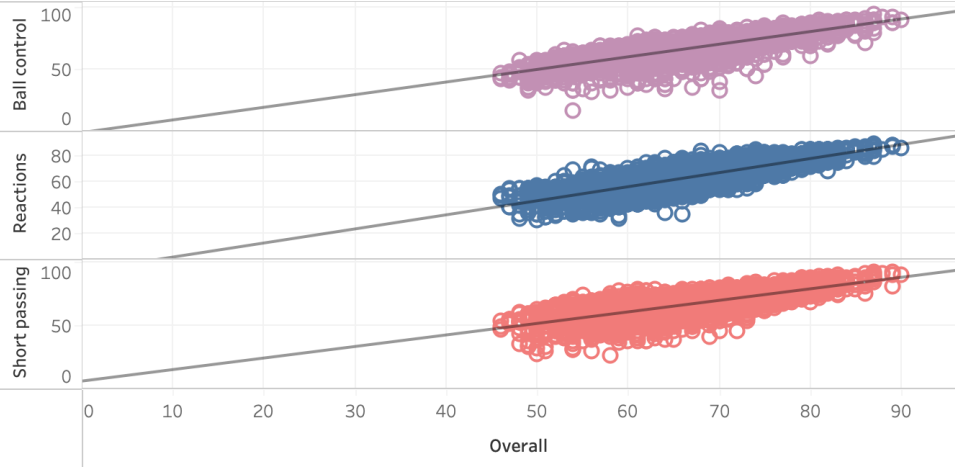
Key Attributes and R-Squared:

- The three primary attributes with the highest R-squared to Overall rating: Ball Control, Reactions and Short passing.
- Same 2 attributes from attackers

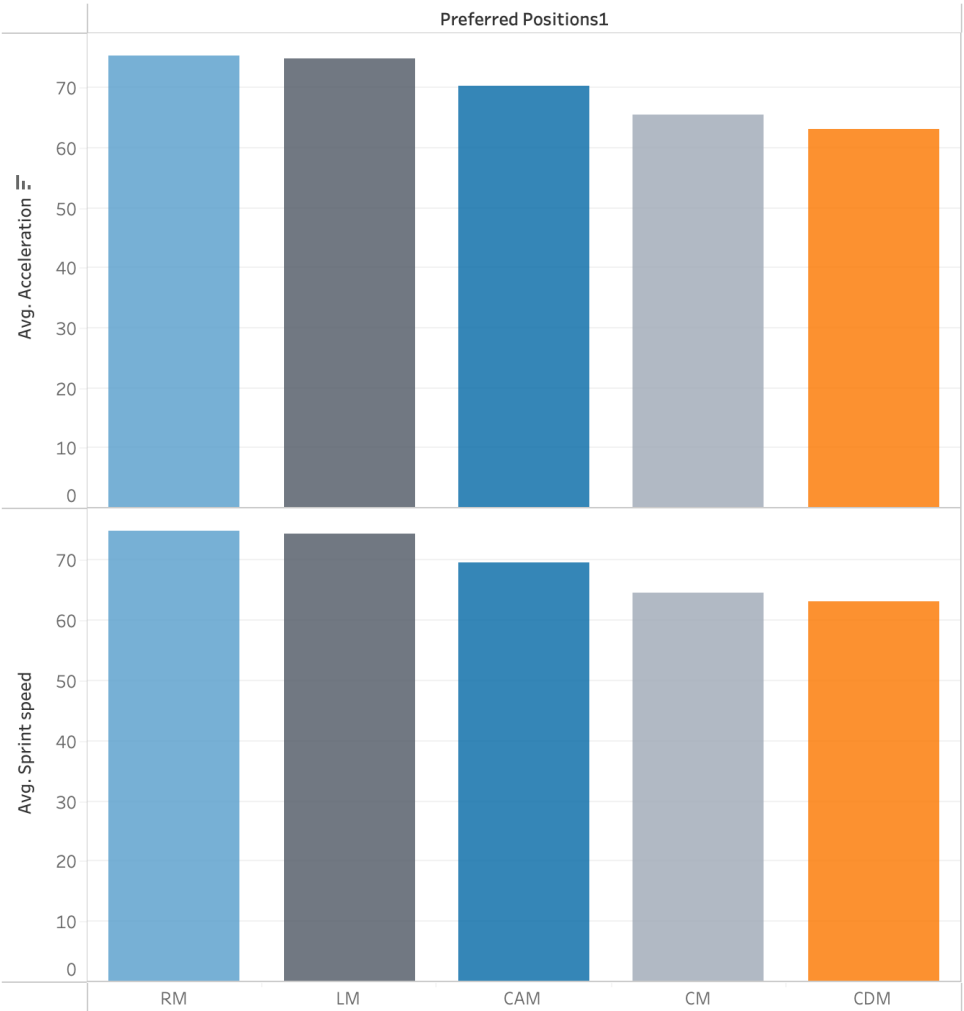
Midfield Pace Comparison:

- LM and RM are fastest, understandable since they on the wings

Mid Attributes



Mid Pace



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Defenders

Definition of Attackers:

- Include players with preferred positions of RM, LW, CAM, CM and CDM

Key Attributes and R-Squared:

- The three primary attributes with the highest R-squared to Overall rating: Interceptions, Marking and Reactions.
--> Reaction is also here

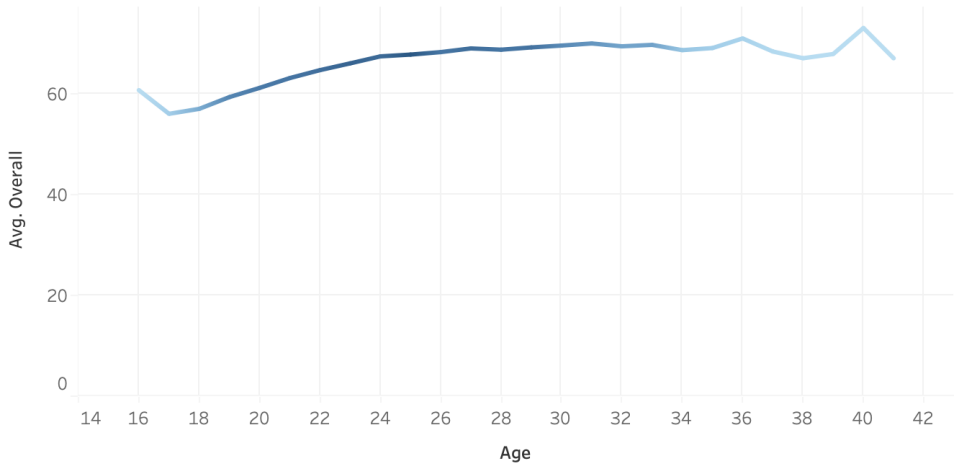
Contrasting Attributes:

- Note the counterintuitive findings: Strength and Speed, commonly sought by FIFA players, have low R-squared.

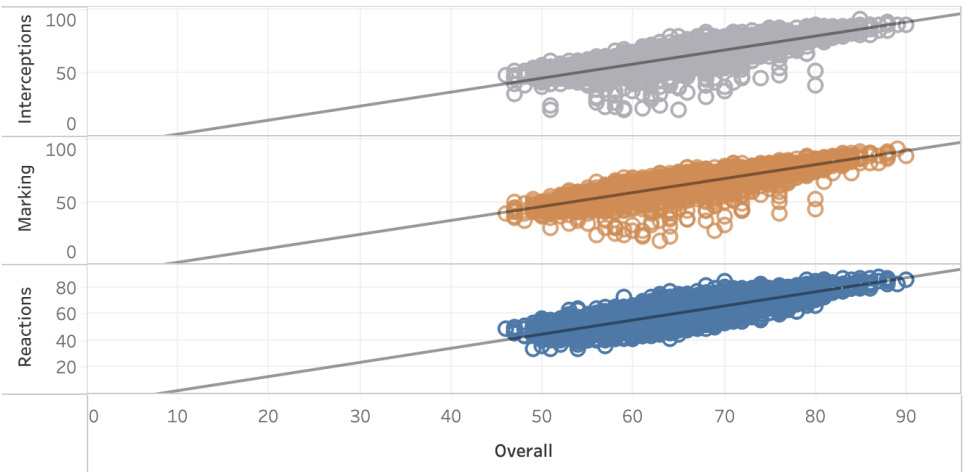
Age Perception Challenge:

-Challenges the common belief that defenders typically improve with age compared to other positions

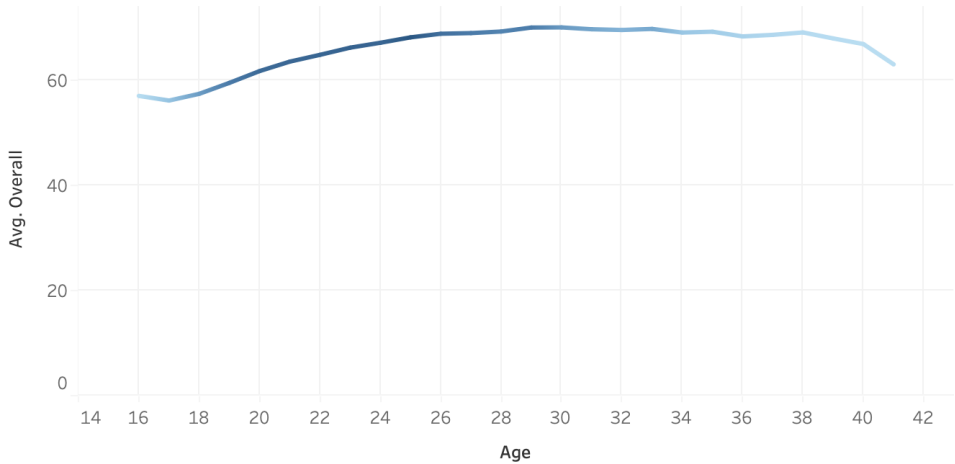
Defenders Overall VS Age



Defenders Attributes



All other players

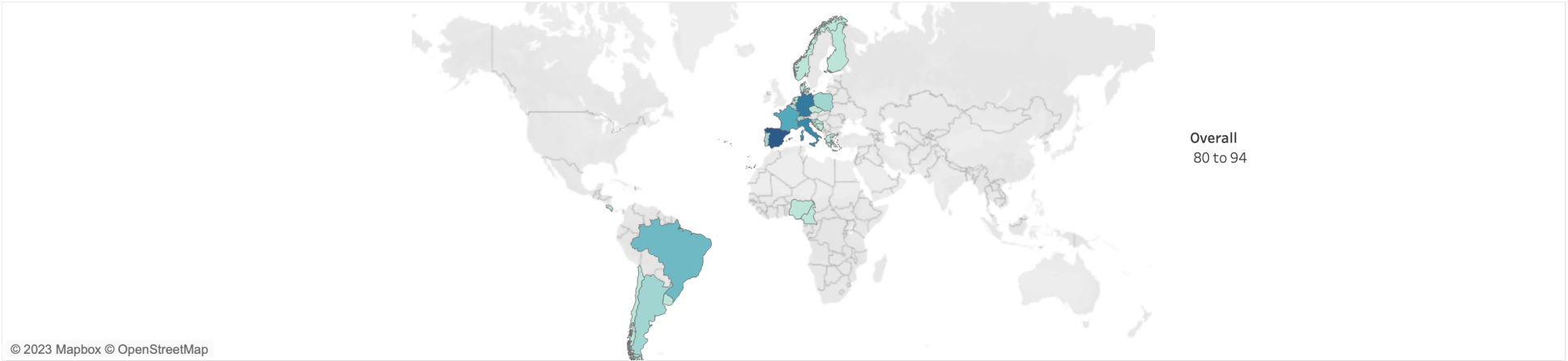


Story Presentation

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GoalKeepers

GK Nationalities



Goalkeeper Key Attributes:

- The three crucial attributes with the highest R-squared for goalkeepers: are Diving, Positioning, and Reflexes.
- Makes sense as keepers have different qualities than outfield players.

Geographical Distribution:

- Map highlights high-rated goalkeepers, are mostly European even compared to South America
- Lack of GK development worldwide

GK attributes

