

DATAVENGERS

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The background features a series of concentric circles in light gray, some solid and some dashed, creating a ripple effect. In the center, there is a red speech bubble with a white border. The text is contained within this bubble.

FIFA- Exploring Fifa Player Data

Question: Which is the most competitive club/team to watch in Europe?

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Types of Fifa Players

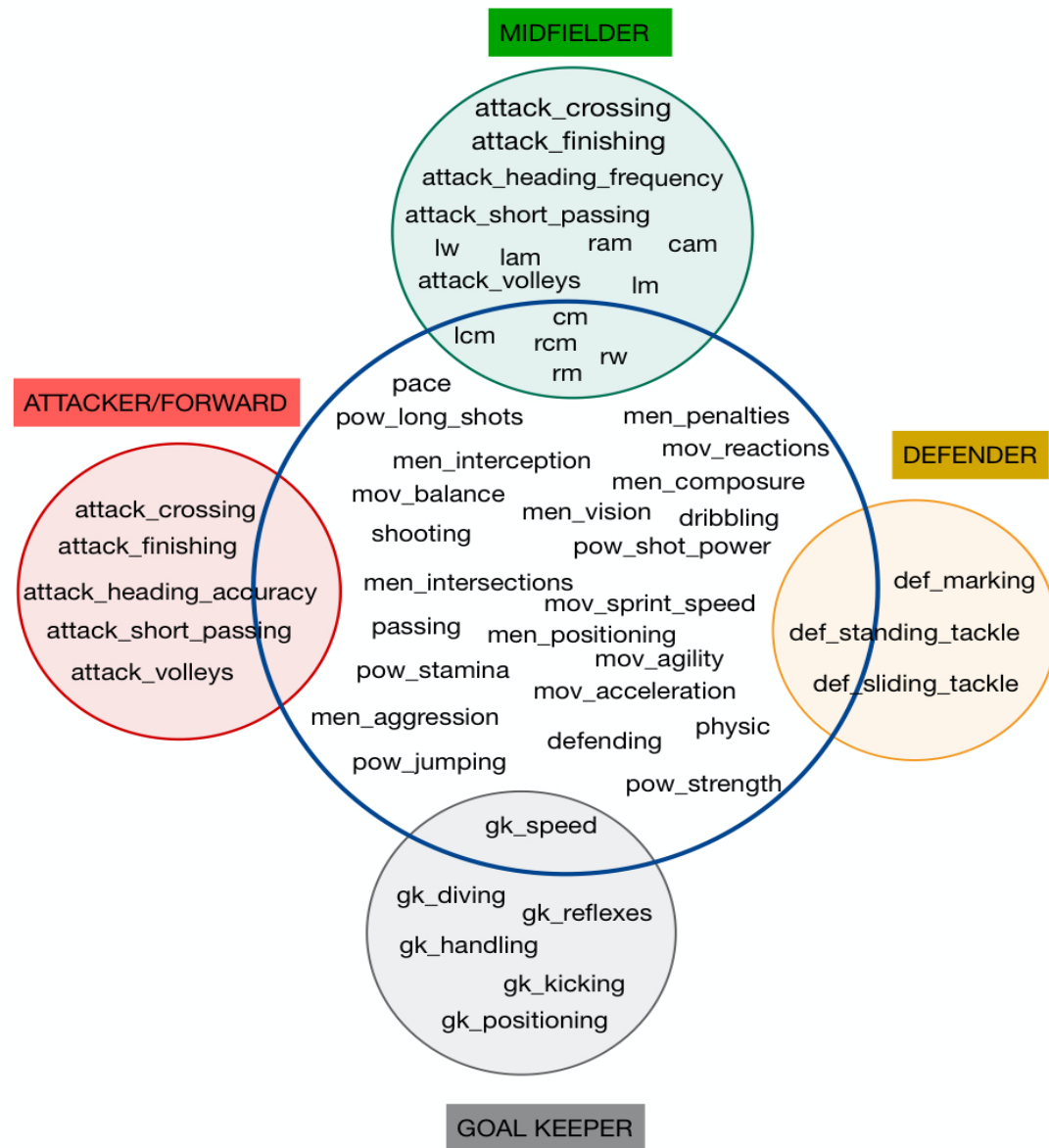
- Defenders
- Attackers/Forward
- Midfielders
- Goalkeepers

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Types of FIFA Players w.r.t. Positions

- **Defender:** Back (eg. CB, LB, RB)
- **Midfielder:** Mid (eg. CM, LM, RM)
- **Attacker:** Forward (eg. CF, LF, RF)

Features



Steps

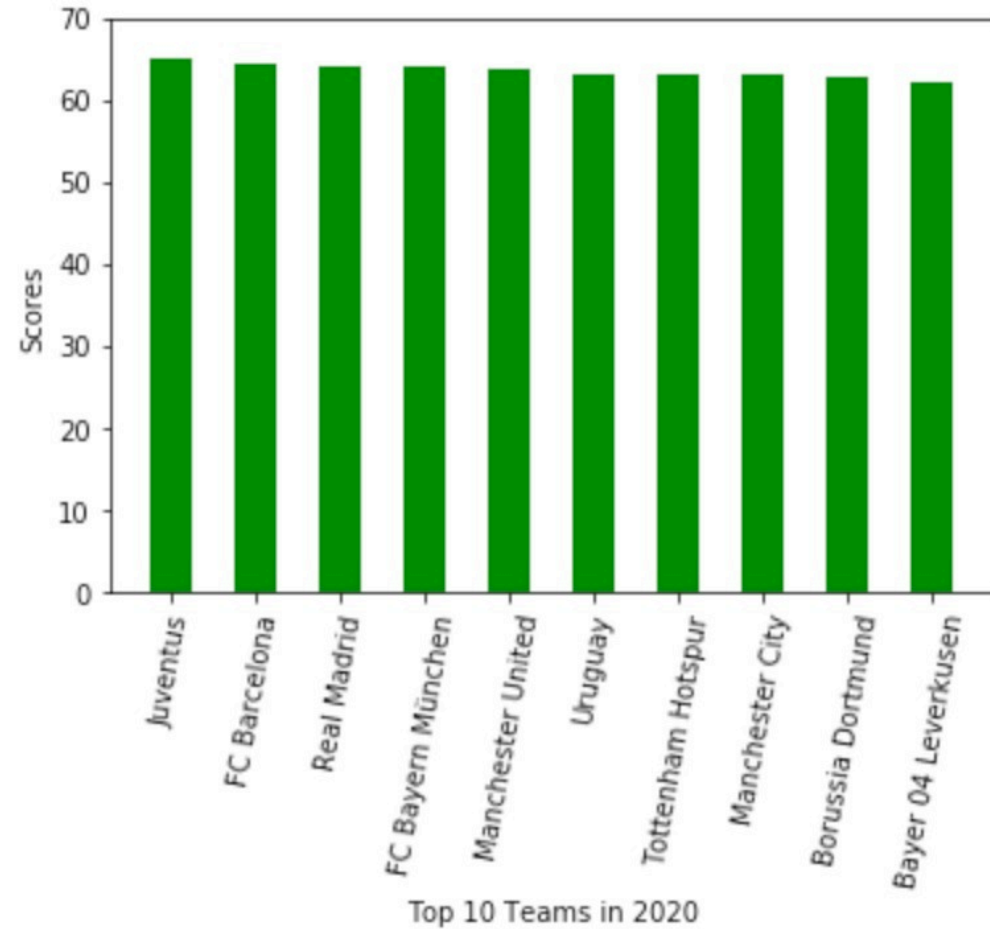
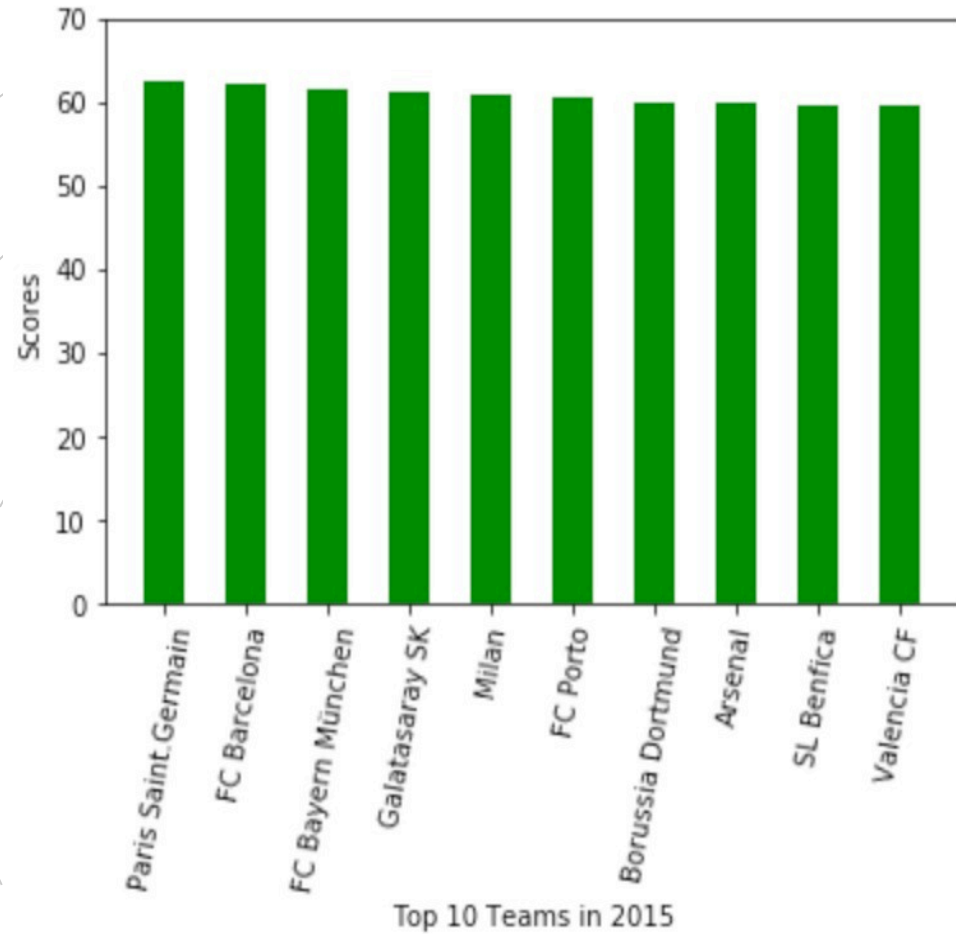
1. Group the Players by their respective Clubs.
2. Compute the mean of all the selected attributes and created a new metric for each Club:
 - Defender_score
 - Attacker_score
 - Midfielder_score
 - Goalkeeper_score
3. Compute the mean of these scores to obtain the best performing clubs arranged in descending order (Best-first).

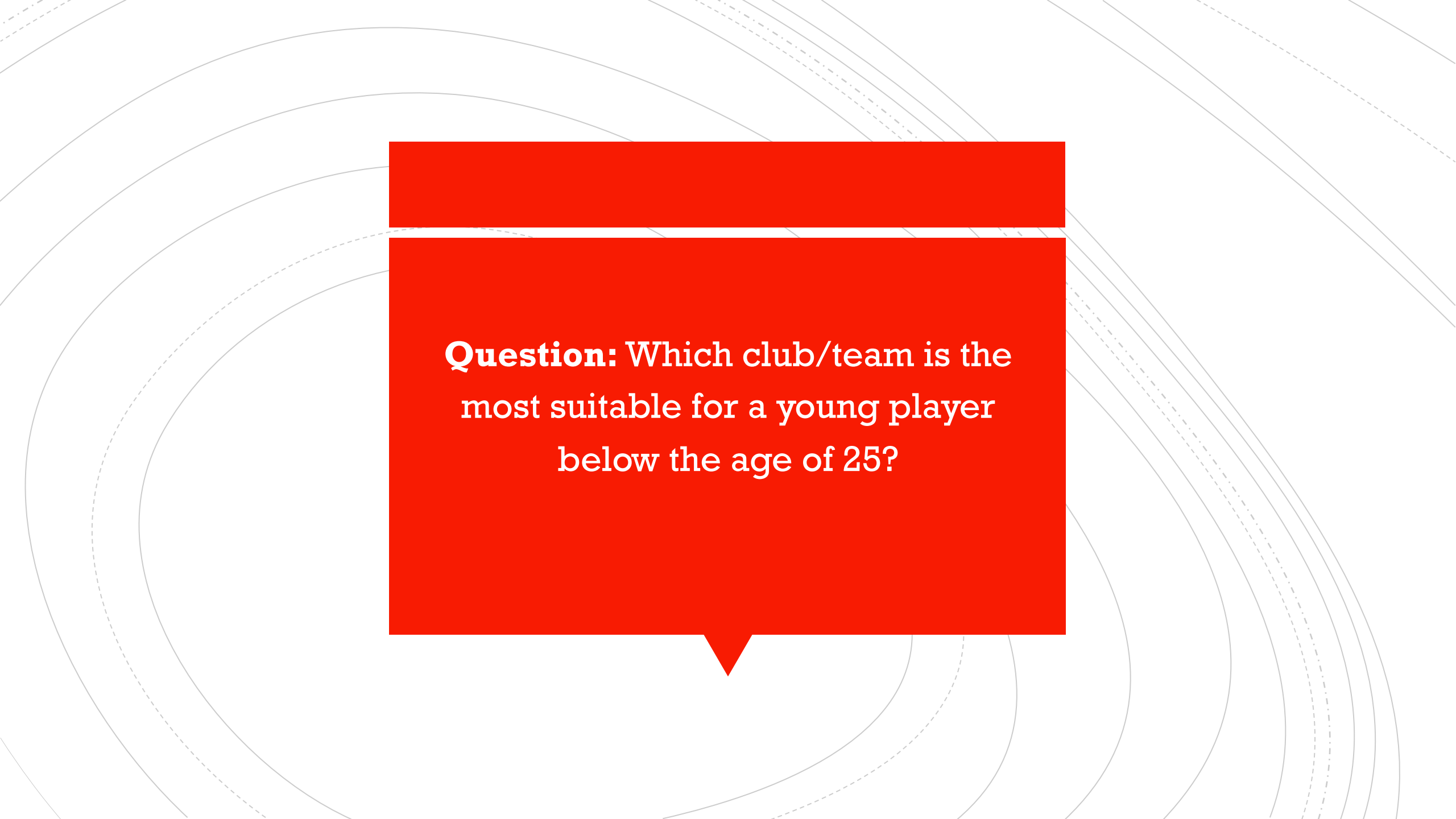
Snapshots

| | club | goalkeeper_score | forward_score | midfielder_score | defender_score | final_score_15 |
|-----|---------------------|------------------|---------------|------------------|----------------|----------------|
| 380 | Paris Saint.Germain | 34.706875 | 72.261364 | 71.483413 | 71.388313 | 62.459991 |
| 184 | FC Barcelona | 40.242381 | 69.121591 | 68.874113 | 71.328770 | 62.391714 |
| 187 | FC Bayern München | 40.227381 | 66.376313 | 69.272331 | 70.619857 | 61.623971 |
| 236 | Galatasaray SK | 37.238333 | 69.968889 | 69.259624 | 69.083844 | 61.387672 |
| 333 | Milan | 37.348810 | 68.290985 | 70.624396 | 67.796616 | 61.015201 |
| ... | ... | ... | ... | ... | ... | ... |
| 158 | Derry City | 30.261905 | 50.212121 | 50.146825 | 48.798701 | 44.854888 |
| 163 | Drogheda United | 29.875000 | 52.757576 | 48.120635 | 48.071429 | 44.706160 |
| 77 | Bray Wanderers | 29.732143 | 50.944444 | 49.654762 | 46.795238 | 44.281647 |
| 518 | UCD AFC | 30.702381 | 48.227273 | 49.145635 | 48.003030 | 44.019580 |
| 47 | Athlone Town | 29.535714 | 49.103030 | 49.712698 | 46.482684 | 43.708532 |

| | club | goalkeeper_score | forward_score | midfielder_score | defender_score | final_score_20 |
|-----|-------------------|------------------|---------------|------------------|----------------|----------------|
| 342 | Juventus | 40.348214 | 74.315152 | 73.513784 | 71.801587 | 64.994684 |
| 218 | FC Barcelona | 39.904762 | 77.213636 | 70.592857 | 70.384921 | 64.524044 |
| 491 | Real Madrid | 38.630952 | 74.200000 | 72.028274 | 71.687075 | 64.136575 |
| 220 | FC Bayern München | 37.273810 | 70.045455 | 74.421245 | 74.235931 | 63.994110 |
| 393 | Manchester United | 42.559524 | 72.496970 | 70.839286 | 69.664160 | 63.889985 |
| ... | ... | ... | ... | ... | ... | ... |
| 268 | Finn Harps | 30.535714 | 54.915152 | 51.196429 | 50.954762 | 46.900514 |
| 89 | Bolton Wanderers | 33.178571 | 50.074242 | 53.518519 | 50.510823 | 46.820539 |
| 169 | Crewe Alexandra | 30.250000 | 51.430303 | 52.290816 | 51.281385 | 46.313126 |
| 655 | Waterford FC | 26.017857 | 48.975758 | 55.302381 | 51.628571 | 45.481142 |
| 615 | UCD AFC | 28.392857 | 50.470707 | 50.676871 | 48.654762 | 44.548799 |

RESULTS



The background features a series of concentric circles in light gray, some solid and some dashed, creating a ripple effect. In the center, there is a red speech bubble with a white question inside.

Question: Which club/team is the most suitable for a young player below the age of 25?

Steps

1. Calculated overall mean for “potential” values for all the players present in the data set for the year 2015.
2. Calculated mean for the “potential” values for the players in the age group of 27 and above.
3. Now calculated the mean of the above two calculated means and setting it as a metric for finding our prospective young players.
4. Finding the top 250 players having the highest “potential” values in the pool of players with age 27 and above.
5. Finding the top 250 clubs for players having the “potential” equal or above to the mean calculated in *Step 3* and age less than 25 or less.

Steps (contd.)

6. Now finding the common club names from the pool of clubs obtained in *Step 4* and *Step 5*, for old (age 27 and above) and young players (age 25 or below).
7. Repeating the above steps for the data from the year 2020.
8. Now, we found the common club names from the pool of clubs obtained for year 2015 and for year 2020.
9. From the analysis done, we obtained the most competitive clubs providing good exposure to young talent.

Results

| | |
|----|--------------------------|
| 0 | AS Monaco |
| 1 | Arsenal |
| 2 | Atlético Madrid |
| 3 | Bayer 04 Leverkusen |
| 4 | Borussia Dortmund |
| 5 | Borussia Mönchengladbach |
| 6 | Chelsea |
| 7 | Everton |
| 8 | FC Barcelona |
| 9 | FC Bayern München |
| 10 | FC Porto |
| 11 | FC Schalke 04 |
| 12 | Juventus |
| 13 | LOSC Lille |
| 14 | Lazio |
| 15 | Liverpool |
| 16 | Manchester City |
| 17 | Manchester United |
| 18 | Milan |
| 19 | Napoli |
| 20 | Newcastle United |
| 21 | Real Madrid |
| 22 | Roma |
| 23 | SL Benfica |
| 24 | Sampdoria |
| 25 | Shakhtar Donetsk |



THANK YOU