

What it Takes to Win?

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Main Purpose

Our main goal of this project is to find what soccer formation gives a team the highest chances of winning

Breakdown Offense, Passing, and Defense

Find the best soccer team in each category

Find the best team in Europe off of total squad value

Top 5 Leagues in the world based off viewership







Team Data Frames

	League	Team	Main Formation	Goals scored	Goals Conceded	Goal Differential	League Placement	Shot on Target	Possesion Time %	Pass completion %	Number of Takeaways	Squad value
0	Premier League	Arsenal	4-3-3	88.0	43.0	45.0	2.0	194.0	60.00	83.2	805.0	1000.00
1	Premier League	Aston Villa	2-4-3-1	51.0	46.0	5.0	7.0	145.0	54.00	79.2	957.0	509.55
2	Premier League	Bournemouth	4-4-2	37.0	71.0	-34.0	15.0	126.0	40.40	76.2	971.0	287.20
3	Premier League	Brentford	3-5-2	58.0	46.0	12.0	9.0	147.0	48.00	72.8	928.0	371.20
4	Premier League	Brighton	4-2-3-1	72.0	53.0	19.0	6.0	219.0	53.70	83.9	919.0	529.83
97	Ligue 1	Rennes	4-4-2	69.0	39.0	30.0	4.0	189.0	55.00	83.1	941.0	387.75
98	Ligue 1	Strasbourg	3-5-2	51.0	59.0	-8.0	15.0	150.0	65.00	77.2	1127.0	123.55
99	Ligue 1	Toulouse	4-3-3	51.0	57.0	-6.0	13.0	171.0	48.00	80.0	1125.0	104.80
100	Ligue 1	Troyes	3-4-2-1	45.0	81.0	-36.0	19.0	130.0	42.18	78.7	1006.0	76.30
101	Ligue 1	Angers	5-3-2	33.0	81.0	-48.0	20.0	121.0	47.77	80.8	1027.0	71.80

Goal League Shots on Possesion

Pass

78.600

78.700

75.300

77.700

79.500

73.300

79.200

81.700

87.300

78.430

75.385

81.500

78.650

55.390

51.850

43.920

52.000

50.000

41.000

54.000

54.500

63.600

49.580

49.285

54.000

49.500

Shots on

0.283452

0.329815

0.268495

0.297872

0.268750

0.345794

0.351724

0.255556

0.458537

0.351277

0.349303

0.327485

0.365559

330.61

311.30

86.00

249.78

139.10

107.00

509.55

576.93

1001.50

200.87

209.34

483.13

311.90

983.140

979.718

948.000

966.000

1032.000

901.000

957.000

1010.500

694.000

939.900

892.140

901.000

943.500

Formation Data Frame

	Formation	of teams	Scored	Conceded	Differential	Placement	Target	Time %	Completion %	Takeaways	Squad Value	Target to Goals Ratio
0	4-4-2	8	48.625	46.625	2.00	9.125	141.375	49.038	78.162	963.375	219.82	0.343943
1	4-3-3	16	52.250	47.180	5.00	10.000	159.000	51.890	80.260	937.810	378.57	0.328616

162.285

162.000

120.300

141.000

160.000

107.000

145.000

135.000

205.000

144.900

139.850

171.000

165.500

9.200

10.280

18.300

16.000

13.000

9.000

7.000

12.500

1.000

10.630

10.710

7.000

8.000

7.00

0.21

-32.00

-3.00

-10.00

-6.00

5.00

-18.00

61.00

-2.18

-5.00

23.00

12.00

46.000

53.430

32.300

42.000

43.000

37.000

51.000

34.500

94.000

50.900

48.850

56.000

60.500

32

1

2

11

2

49.000

53.218

64.300

45.000

53.000

43.000

46.000

52.500

33.000

53.000

53.850

33.000

48.500

2

4

6

8

9

10

11

12

13

14

3-5-2

5-3-2

4-2-3-1

4-4-1-1

4-1-4-1

5-2-1-2

2-4-3-1

3-2-4-1

3-4-2-1

3-4-1-2

3-5-1-1

3-1-4-2

3-4-3

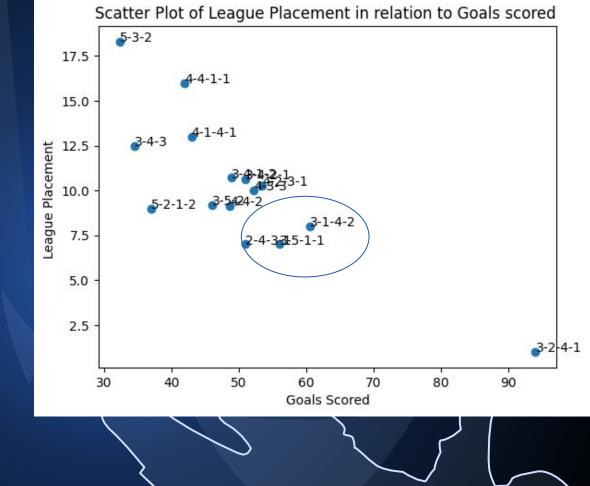
Man City's Treble winning season

- Highest completion %
- Most expensive squad
- Best passing
- Most goals
- 3-2-4-1



Formation Shooting stats

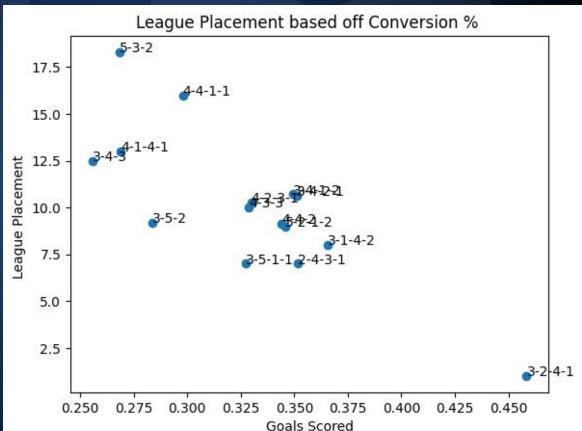
- Standout formations
- 2-4-3-1
- 3-5-1-1
- 3-1-4-2
- And obviously 3-2-4-1



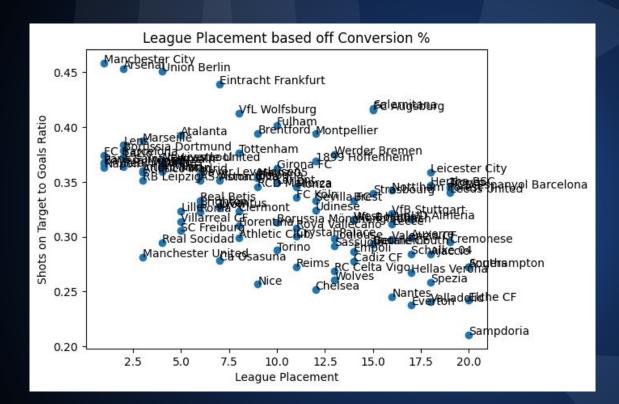
Formation Attacker conversion %

Standouts

- 3-2-4-1
- 2-4-3-1
- 3-1-4-2
- 4-4-2



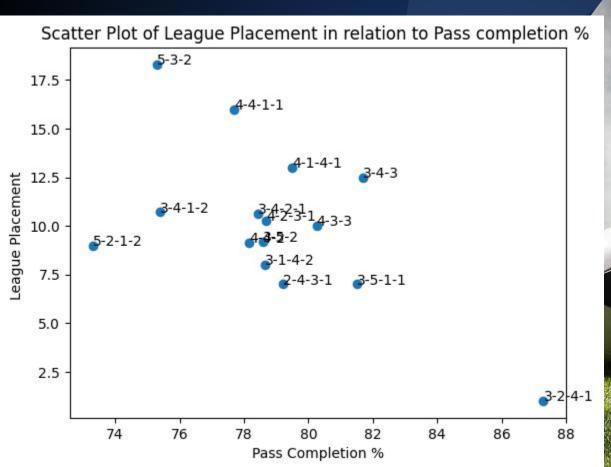
Teams Conversion Rate



Standouts

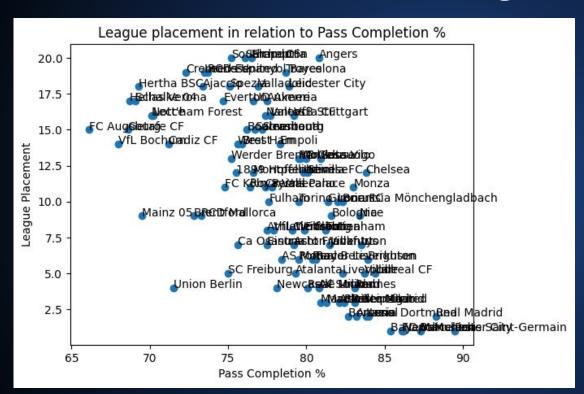
- Manchester City
- Arsenal
- Union Berlin
- Manchester United
- Chelsea

Formation Passing stats





Teams Passing Stats



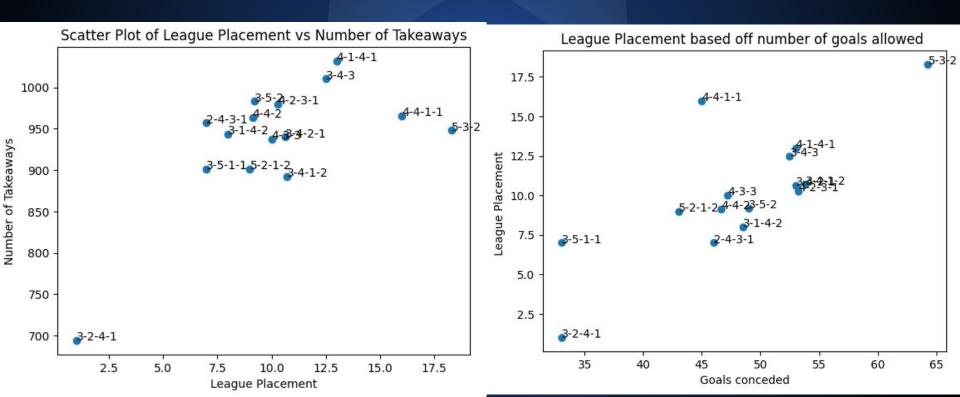
Key Takeaways

- Paris Saint-Germain
- Passing = Offense
- Passing helps determine Placement
- Trend

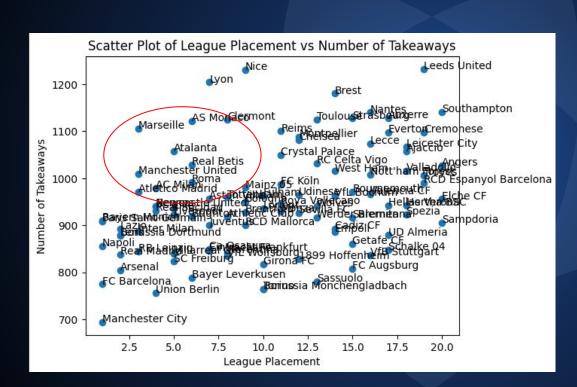
• 4-1-4-1

- 2-4-3-13-5-2
- 3-2-4-1

Best Defensive Formation



Best Defensive Team



StandOuts

- Leeds United
- Southampton
- Manchester City
- Barcelona
- Teams in the circle

Top 6 formations DF

	Formation	Number of teams	Goals Scored	Goal Conceded	Goal Differential	League Placement	Shots on Target	Possesion Time %	Pass Completion %	Number of Takeaways	Squad Value	Shots on Target to Goals Ratio
0	4-4-2	8	48.625	46.625	2.00	9.125	141.375	49.038	78.162	963.375	219.82	0.343943

159.000

162.285

162.000

144.900

139.850

51.890

55.390

51.850

49.580

49.285

80.260

78.600

78.700

78.430

75.385

937.810

983.140

979.718

939.900

892.140

378.57

330.61

311.30

200.87

209.34

0.328616

0.283452

0.329815

0.351277

0.349303

10.000

9.200

10.280

10.630

10.710

4-3-3

3-5-2

4-2-3-1

3-4-2-1

3-4-1-2

11

16

32

11

52.250

46.000

53.430

50.900

48.850

47.180

49.000

53.218

53.000

53.850

5.00

7.00

0.21

-2.18

-5.00

Best formation out of the 6 most used formation

Best Formation

Best formation





UEFA Champions League

Round of 16
Benfica vs Club Brugge
Chelsea vs Dortmund
Bayern vs PSG
Tottenham vs AC Milan
Man City vs Leipzig
Porto vs Inter

Napoli vs Frankfurt

Real Madrid vs Liverpool

SEMIFINAL

AC Milan vs Inter Milan Man City vs Real Madrid

QUARTERFINAL

Inter Milan vs Benfica Man City vs Bayern Real Madrid vs Chelsea AC Milan vs Napoli

FINAL

Man City vs Inter Milan

Sources

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Darwizzy Break



