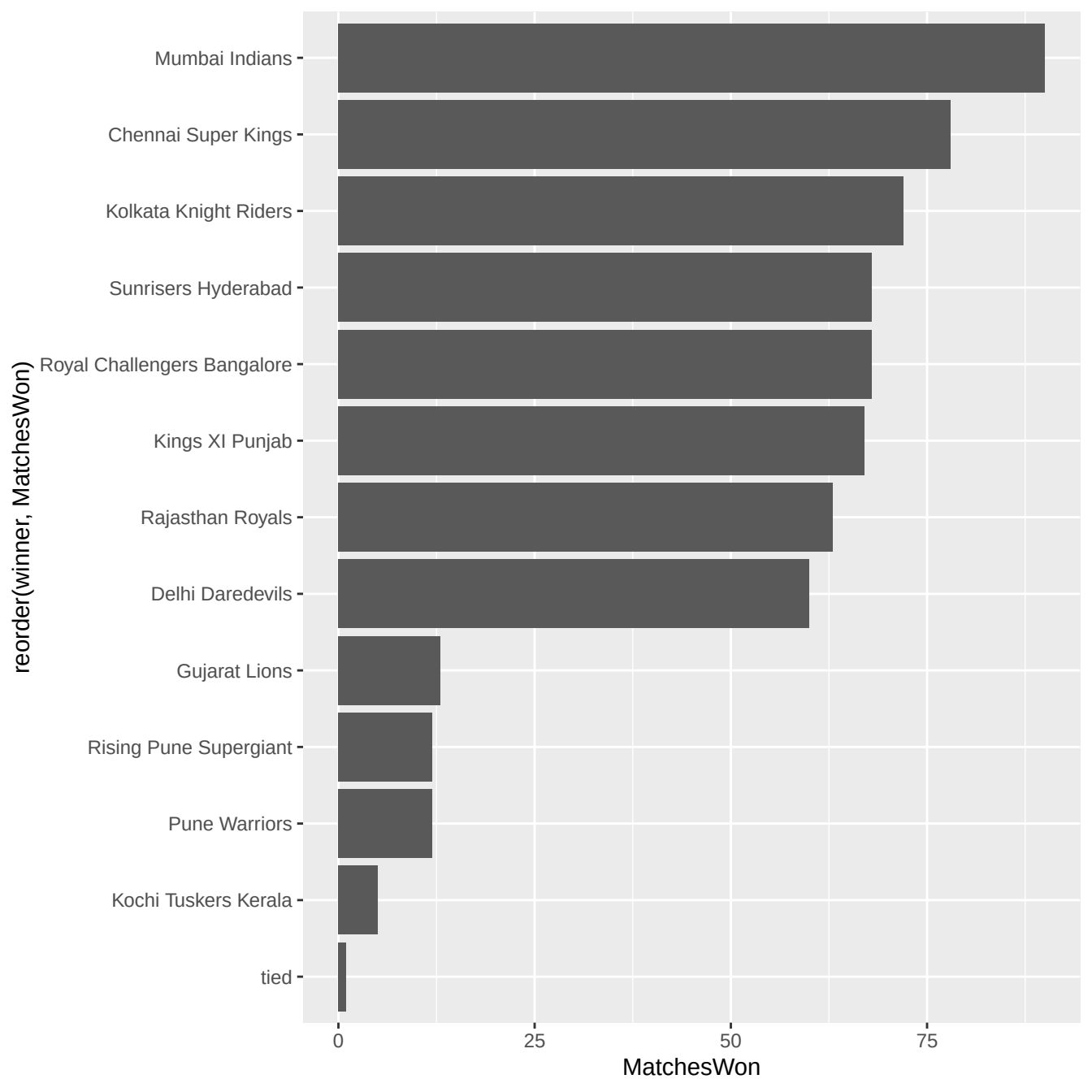
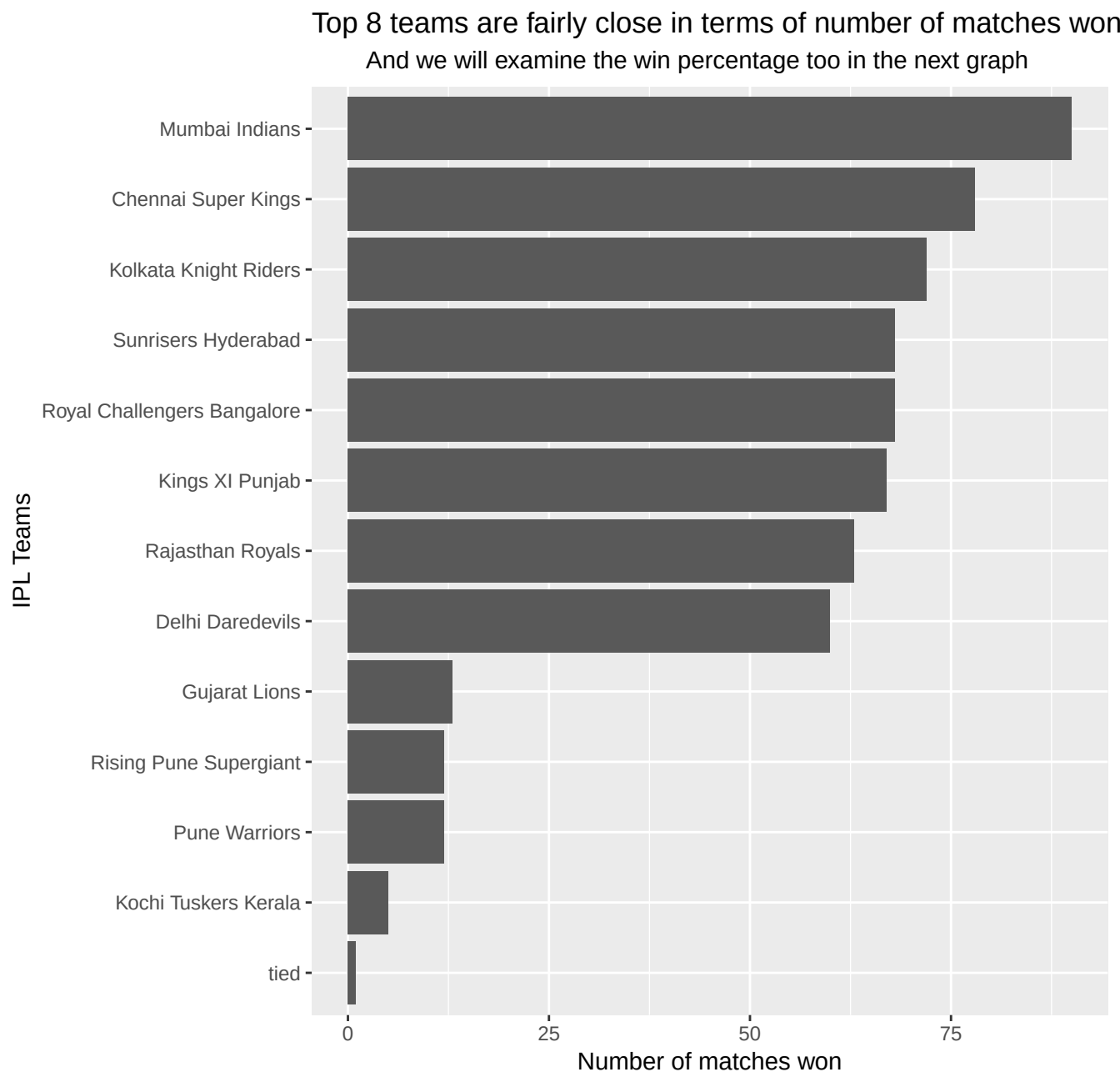
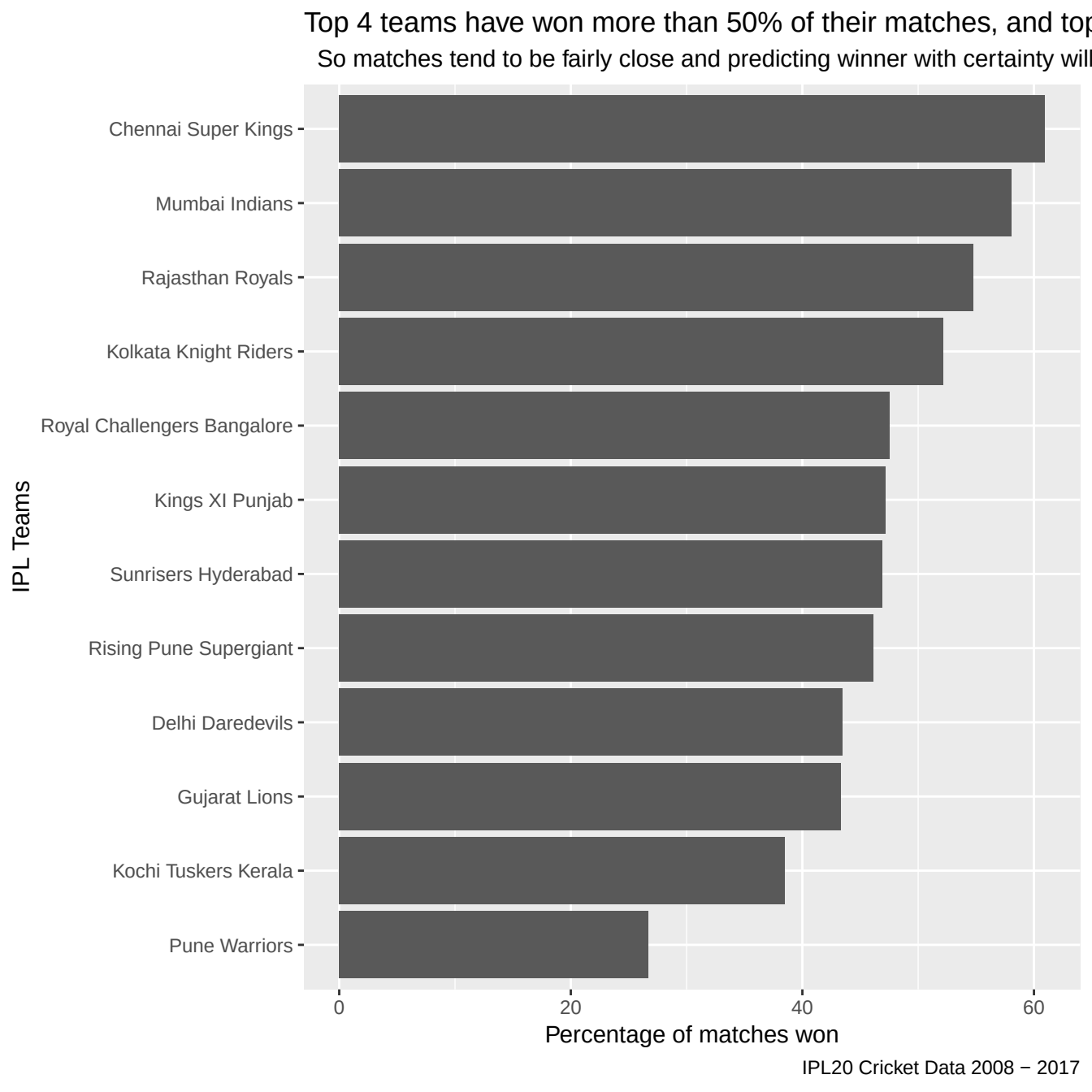
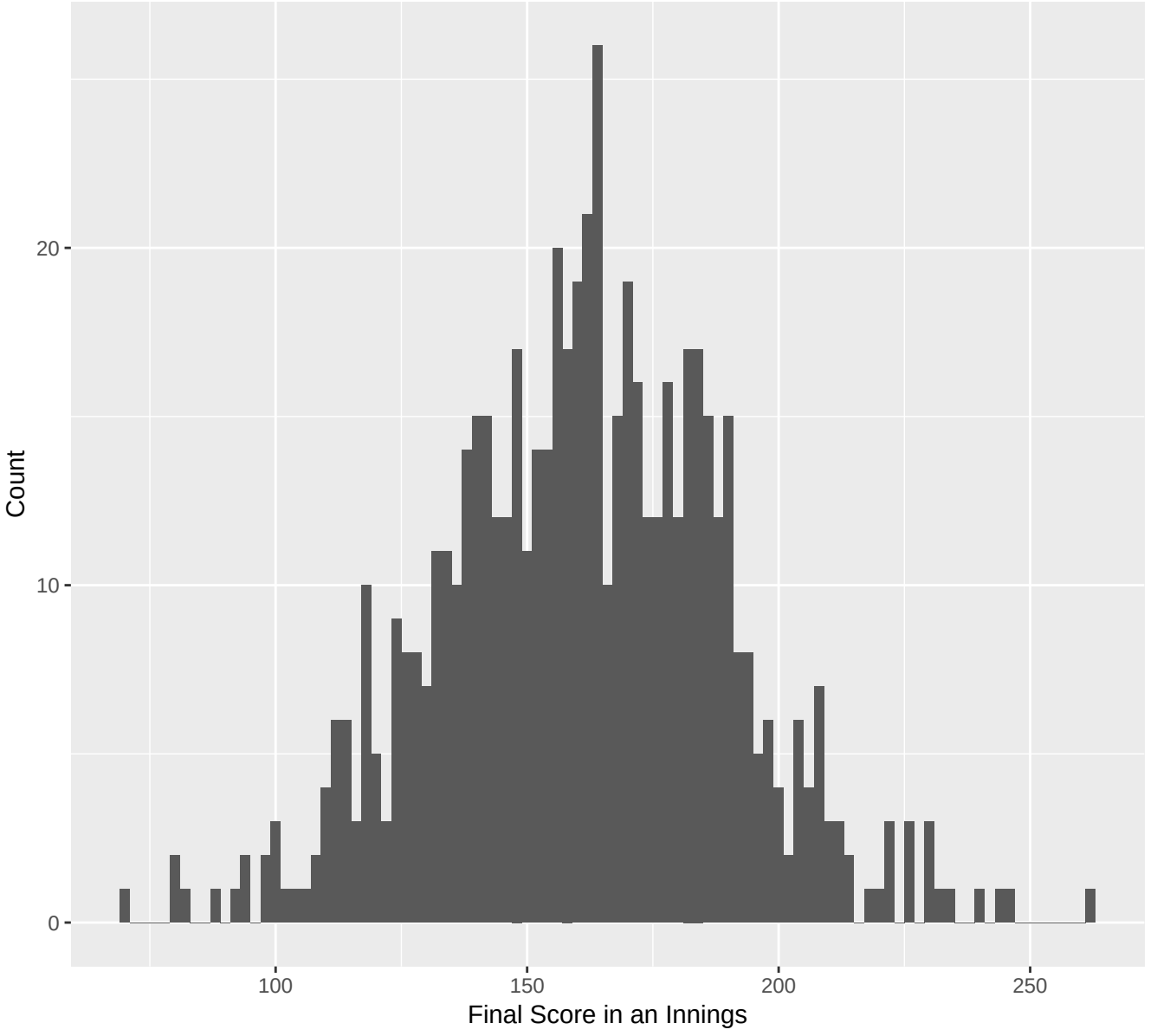

Mumbai Indians
Chennai Super Kings
Kolkata Knight Riders
Sunrisers Hyderabad
Royal Challengers Bangalore
Kings XI Punjab
Rajasthan Royals
Delhi Daredevils
Gujarat Lions
Rising Pune Supergiant
Pune Warriors
Kochi Tuskers Kerala
tied
reorder(winner, MatchesWon)
0
25
50
75
MatchesWon


Top 8 teams are fairly close in terms of number of matches won
And we will examine the win percentage too in the next graph
Mumbai Indians
Chennai Super Kings
Kolkata Knight Riders
Sunrisers Hyderabad
Royal Challengers Bangalore
Kings XI Punjab
Rajasthan Royals
Delhi Daredevils
Gujarat Lions
Rising Pune Supergiant
Pune Warriors
Kochi Tuskers Kerala
tied
IPL Teams
0
25
50
75
Number of matches won
IPL20 Cricket Data 2008 − 2017

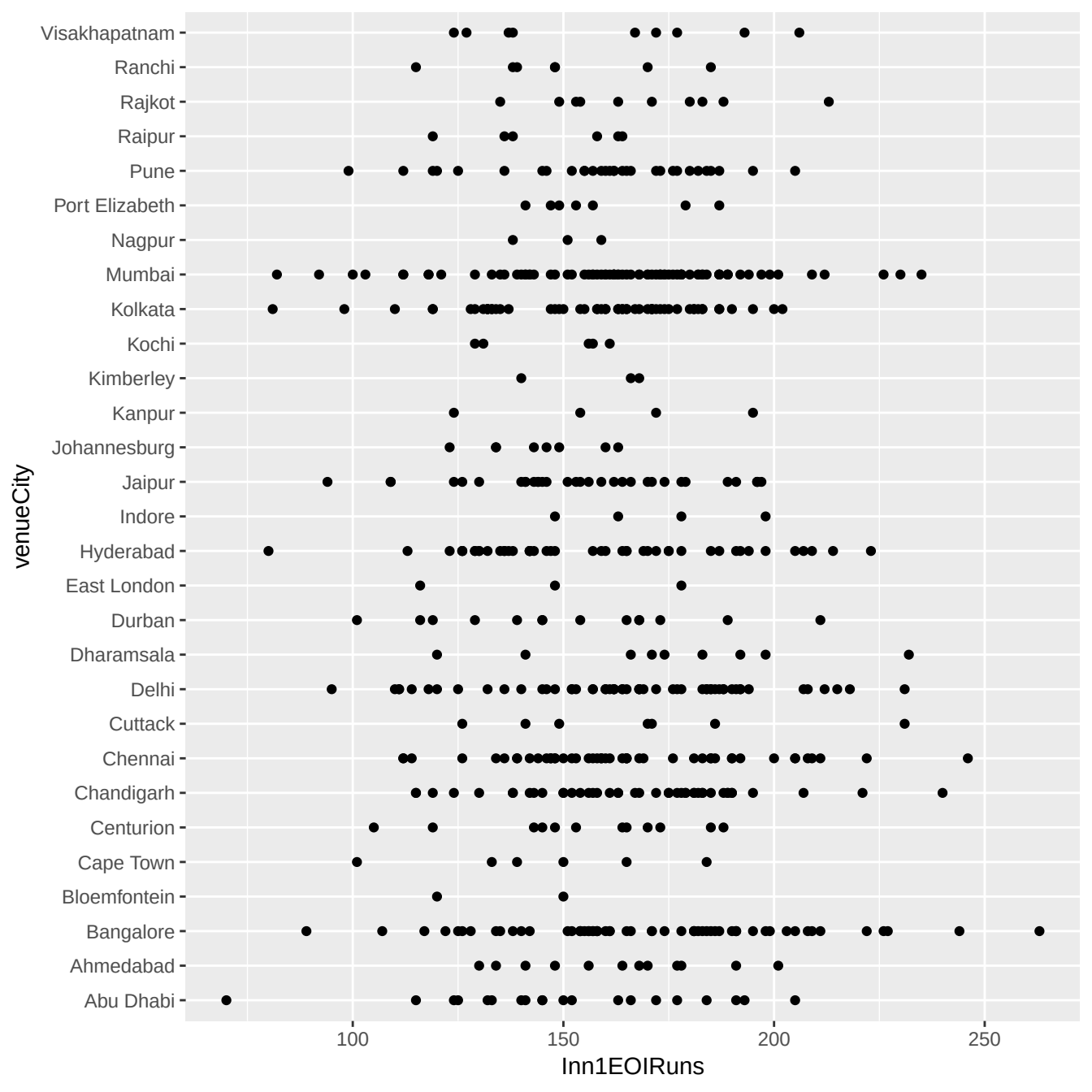

Top 4 teams have won more than 50% of their matches, and top
So matches tend to be fairly close and predicting winner with certainty will
Chennai Super Kings
Mumbai Indians
Rajasthan Royals
Kolkata Knight Riders
Royal Challengers Bangalore
Kings XI Punjab
Sunrisers Hyderabad
Rising Pune Supergiant
Delhi Daredevils
Gujarat Lions
Kochi Tuskers Kerala
Pune Warriors
IPL Teams
0
20
40
60
Percentage of matches won
IPL20 Cricket Data 2008 − 2017

Runs scored have a normal distribution

We will next break it down by independent variables

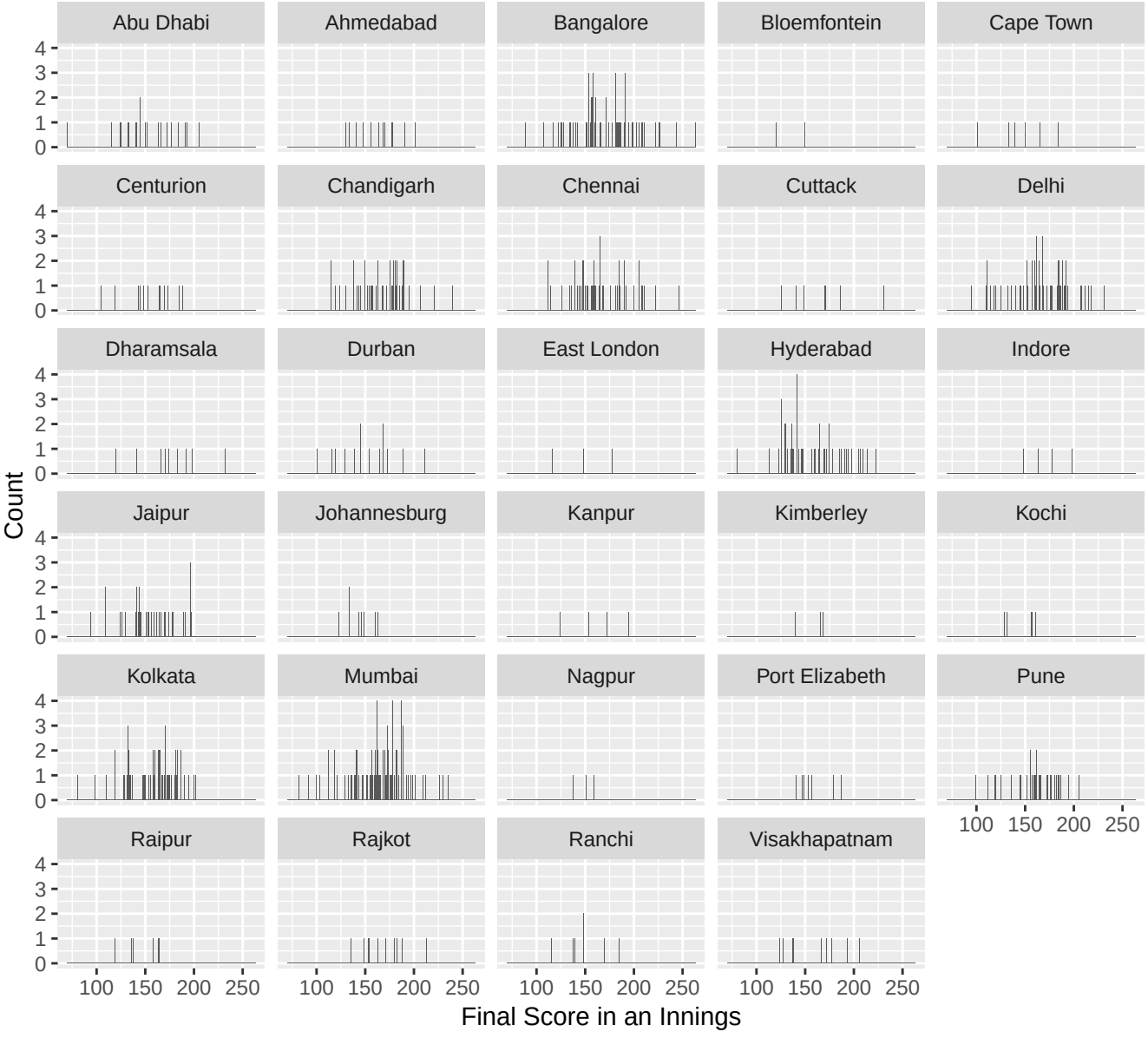


IPL20 Cricket Data 2008 − 2017


Visakhapatnam
Ranchi
Rajkot
Raipur
Pune
Port Elizabeth
Nagpur
Mumbai
Kolkata
Kochi
Kimberley
Kanpur
Johannesburg
Jaipur
Indore
Hyderabad
East London
Durban
Dharamsala
Delhi
Cuttack
Chennai
Chandigarh
Centurion
Cape Town
Bloemfontein
Bangalore
Ahmedabad
Abu Dhabi
venueCity
100
150
200
250
Inn1EOIRuns

Each venue seems to have some high and some low scores, and some in between

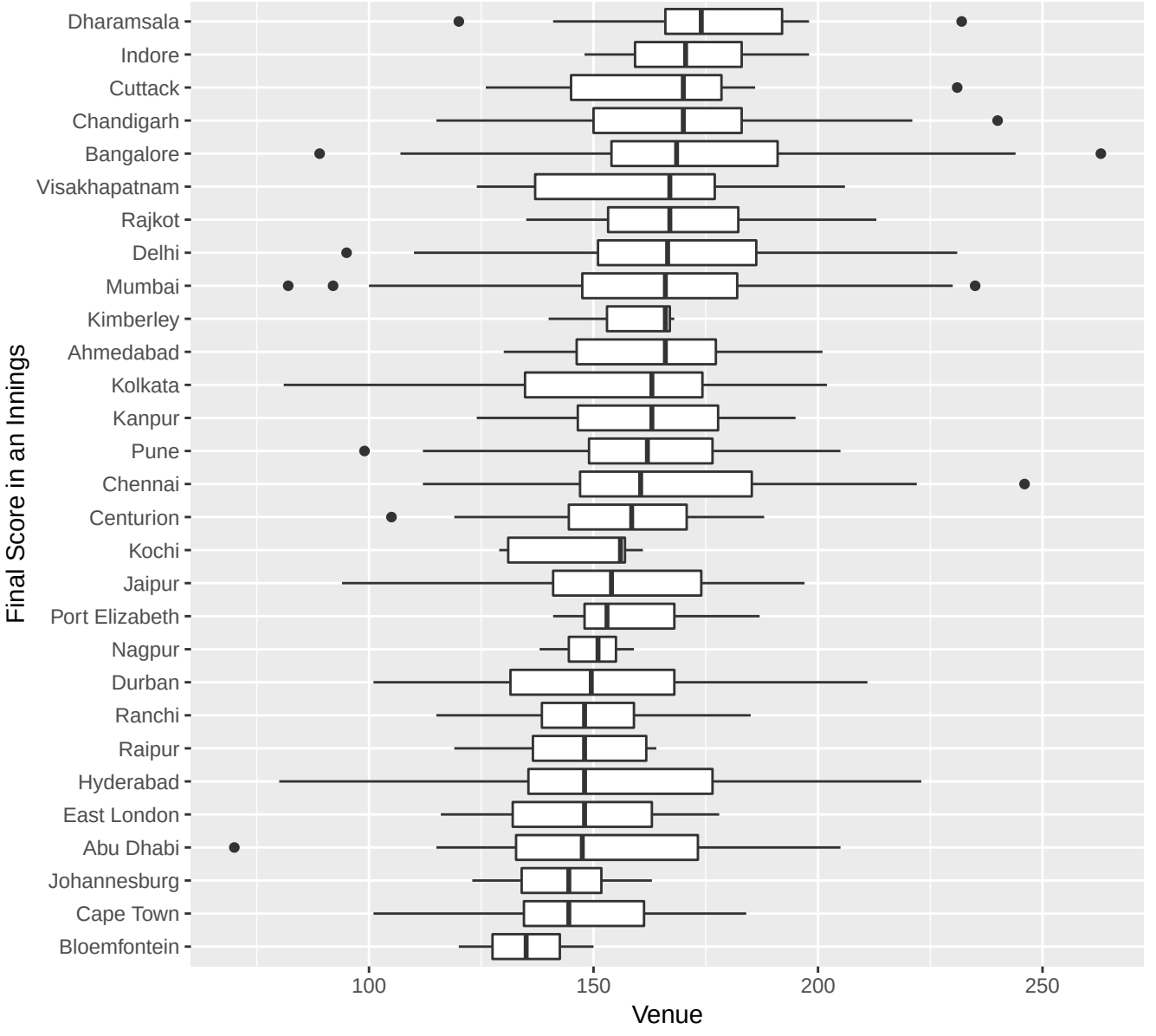
So next look at the median distribution to confirm



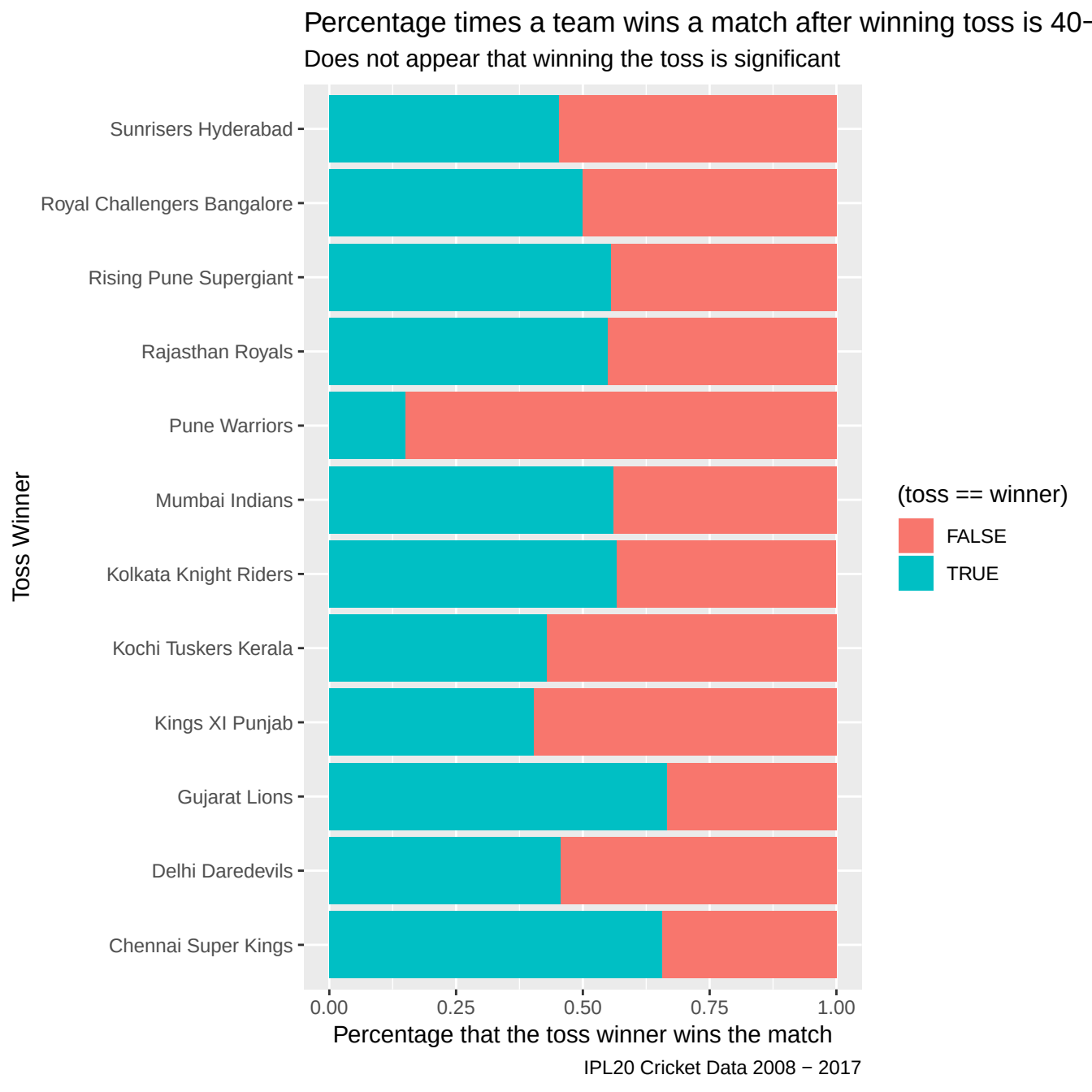
IPL20 Cricket Data 2008 − 2017

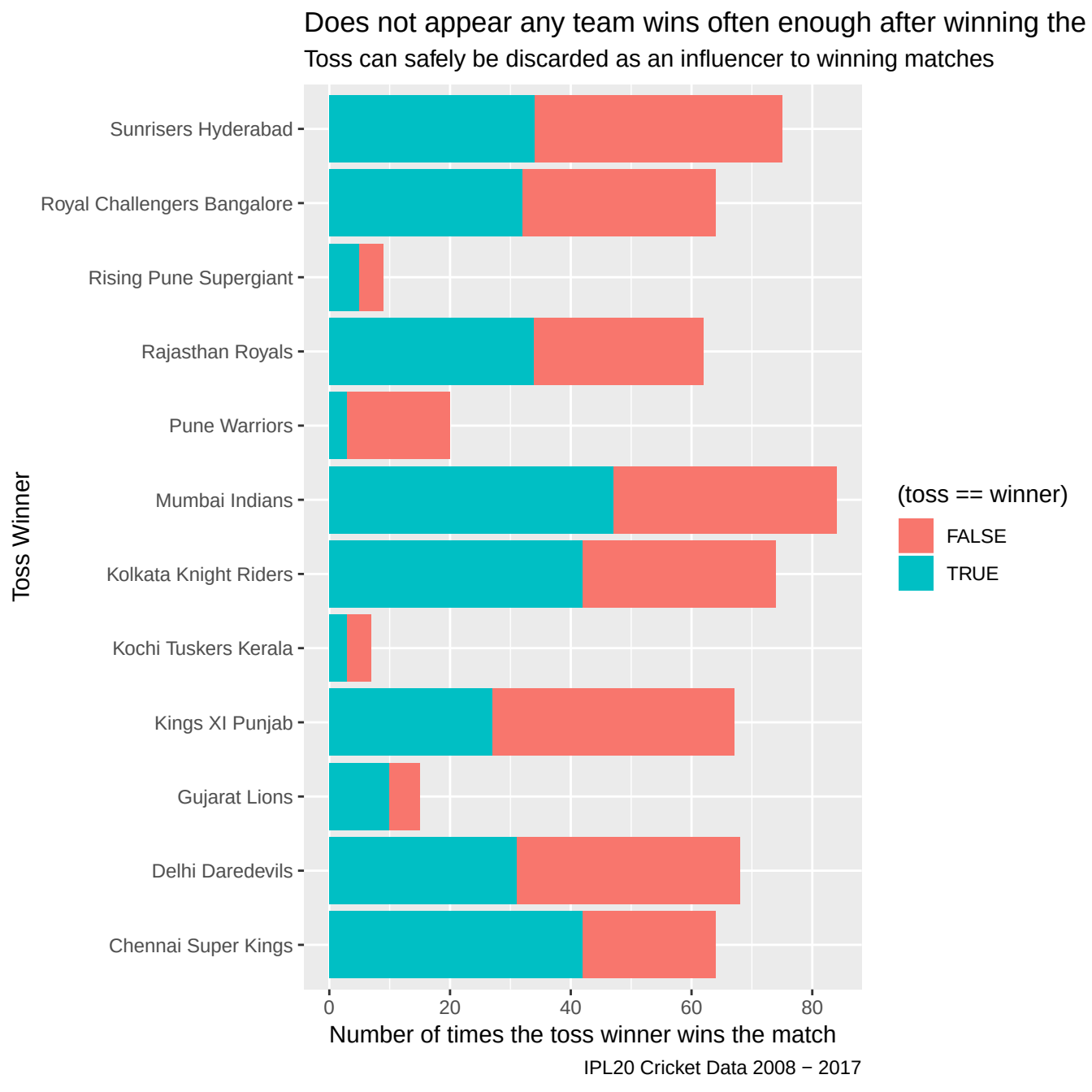
High inter−quartile means venue may not be a big contributor

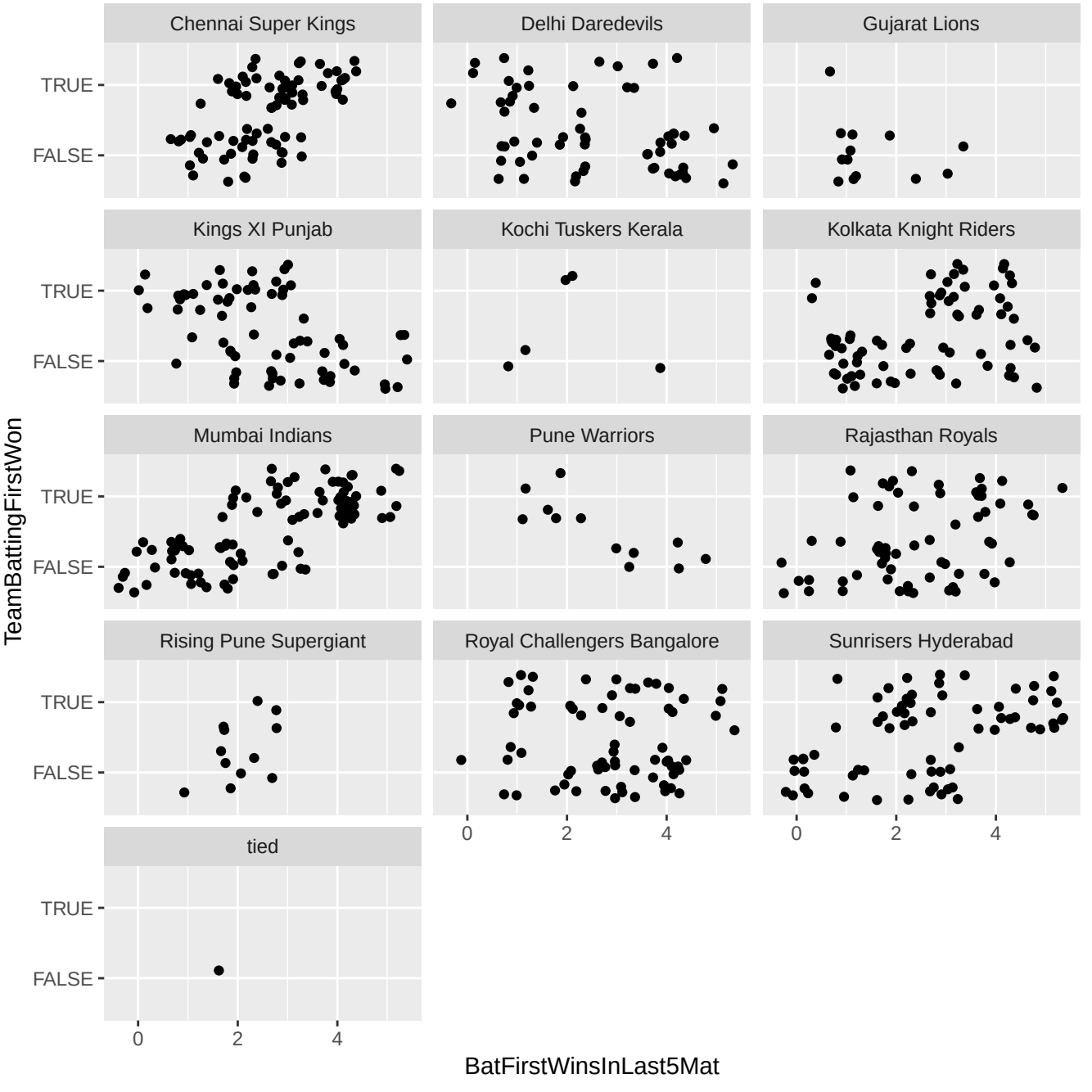
The outliers, Dharamshala and the South African grounds had very few matches

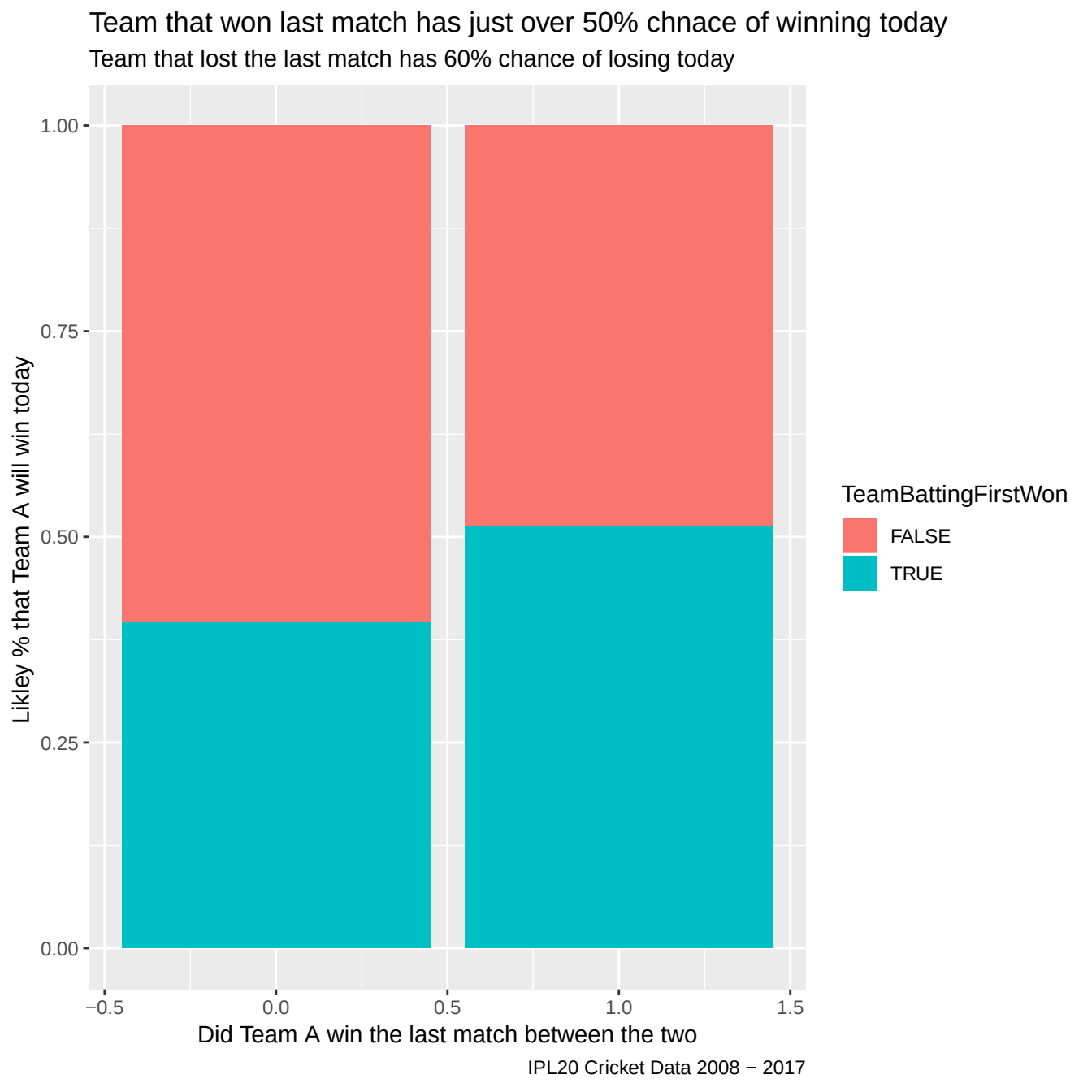


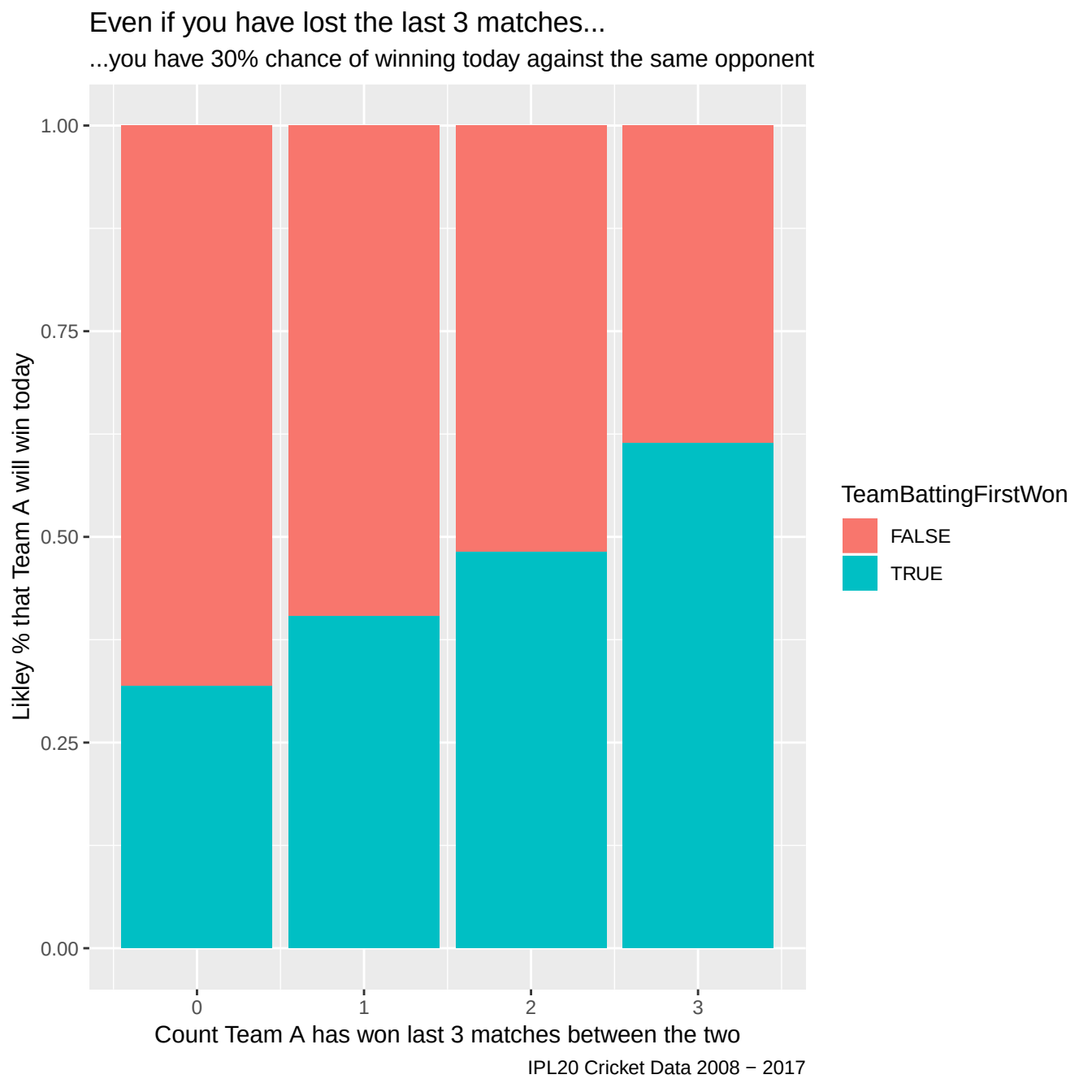
IPL20 Cricket Data 2008 − 2017

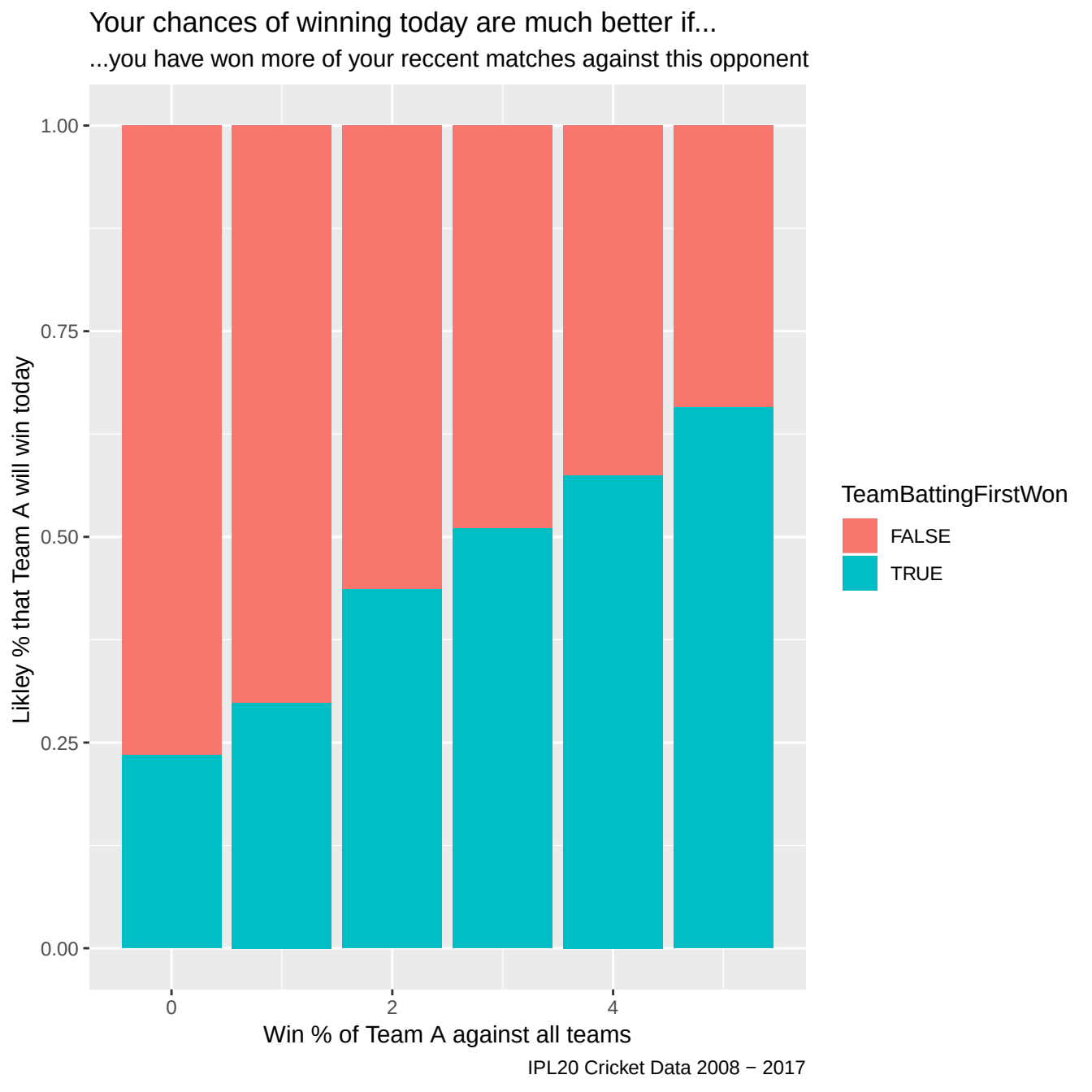

Percentage times a team wins a match after winning toss is 40−
Does not appear that winning the toss is significant
Sunrisers Hyderabad
Royal Challengers Bangalore
Rising Pune Supergiant
Rajasthan Royals
Pune Warriors
Mumbai Indians
Kolkata Knight Riders
Kochi Tuskers Kerala
Kings XI Punjab
Gujarat Lions
Delhi Daredevils
Chennai Super Kings
Toss Winner
0.00
0.25
0.50
0.75
1.00
Percentage that the toss winner wins the match
(toss == winner)
FALSE
TRUE
IPL20 Cricket Data 2008 − 2017


Does not appear any team wins often enough after winning the
Toss can safely be discarded as an influencer to winning matches
Sunrisers Hyderabad
Royal Challengers Bangalore
Rising Pune Supergiant
Rajasthan Royals
Pune Warriors
Mumbai Indians
Kolkata Knight Riders
Kochi Tuskers Kerala
Kings XI Punjab
Gujarat Lions
Delhi Daredevils
Chennai Super Kings
Toss Winner
0
20
40
60
80
Number of times the toss winner wins the match
(toss == winner)
FALSE
TRUE
IPL20 Cricket Data 2008 − 2017


Chennai Super Kings
Delhi Daredevils
Gujarat Lions
Kings XI Punjab
Kochi Tuskers Kerala
Kolkata Knight Riders
Mumbai Indians
Pune Warriors
Rajasthan Royals
Rising Pune Supergiant
Royal Challengers Bangalore
Sunrisers Hyderabad
tied
TRUE
FALSE
0
2
4
TeamBattingFirstWon
BatFirstWinsInLast5Mat

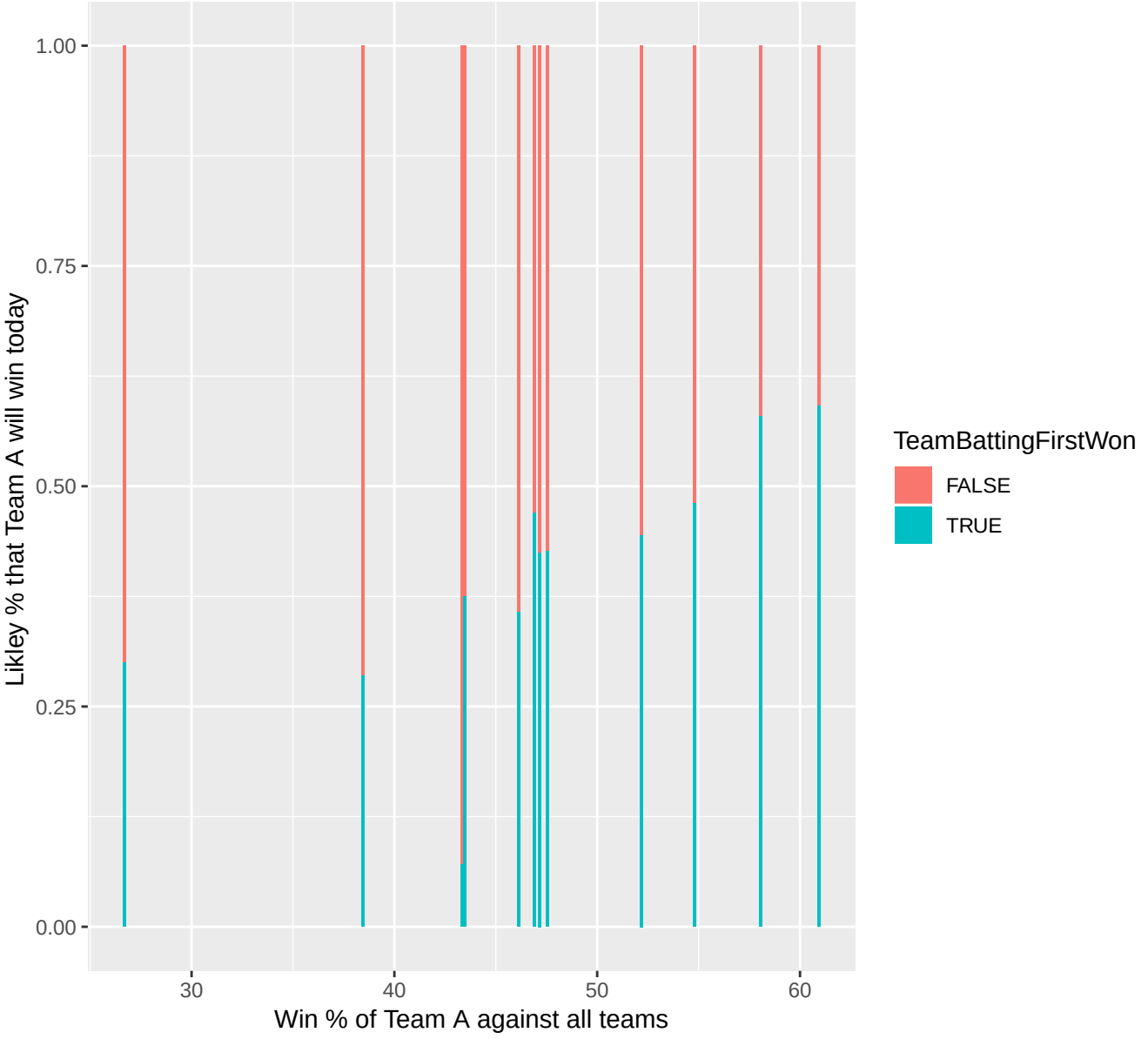

Team that won last match has just over 50% chnace of winning today
Team that lost the last match has 60% chance of losing today
1.00
0.75
0.50
0.25
0.00
Likley % that Team A will win today
−0.5
0.0
0.5
1.0
1.5
Did Team A win the last match between the two
TeamBattingFirstWon
FALSE
TRUE
IPL20 Cricket Data 2008 − 2017


Even if you have lost the last 3 matches...
...you have 30% chance of winning today against the same opponent
1.00
0.75
0.50
0.25
0.00
Likley % that Team A will win today
0
1
2
3
Count Team A has won last 3 matches between the two
TeamBattingFirstWon
FALSE
TRUE
IPL20 Cricket Data 2008 − 2017

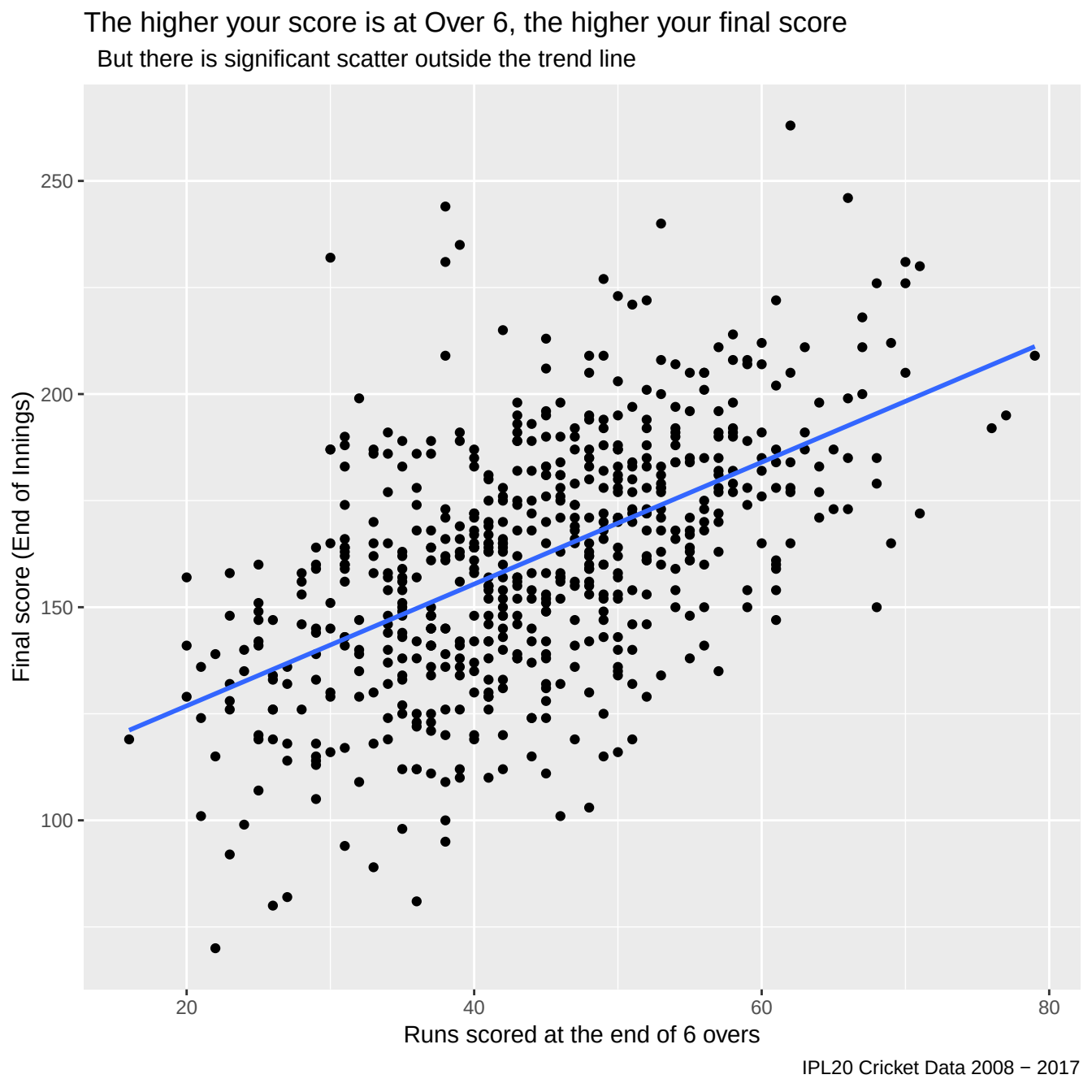

Your chances of winning today are much better if...
...you have won more of your reccent matches against this opponent
1.00
0.75
0.50
0.25
0.00
Likley % that Team A will win today
0
2
4
Win % of Team A against all teams
TeamBattingFirstWon
FALSE
TRUE
IPL20 Cricket Data 2008 − 2017

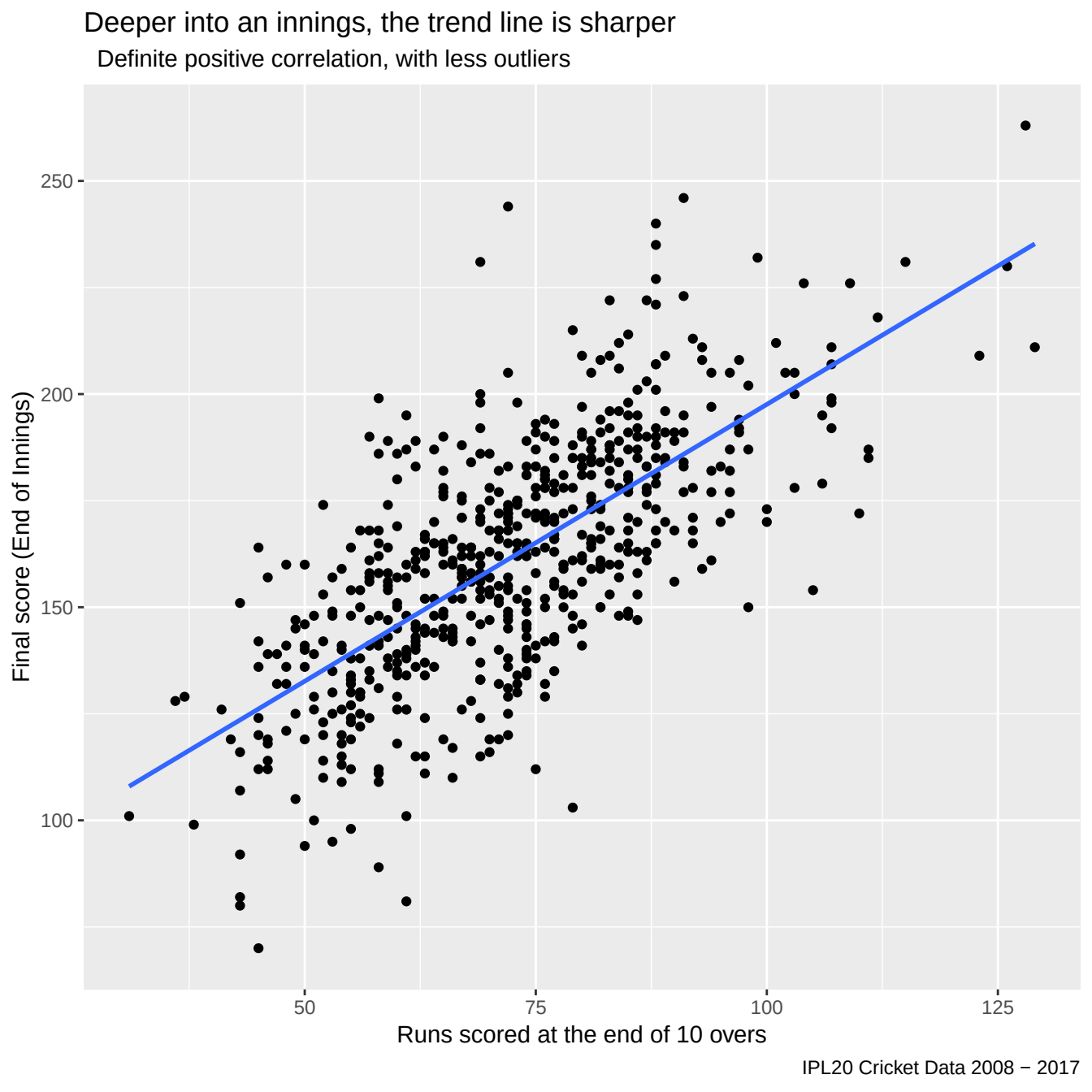
Unless a team has an excellent win %, the match is too close to call

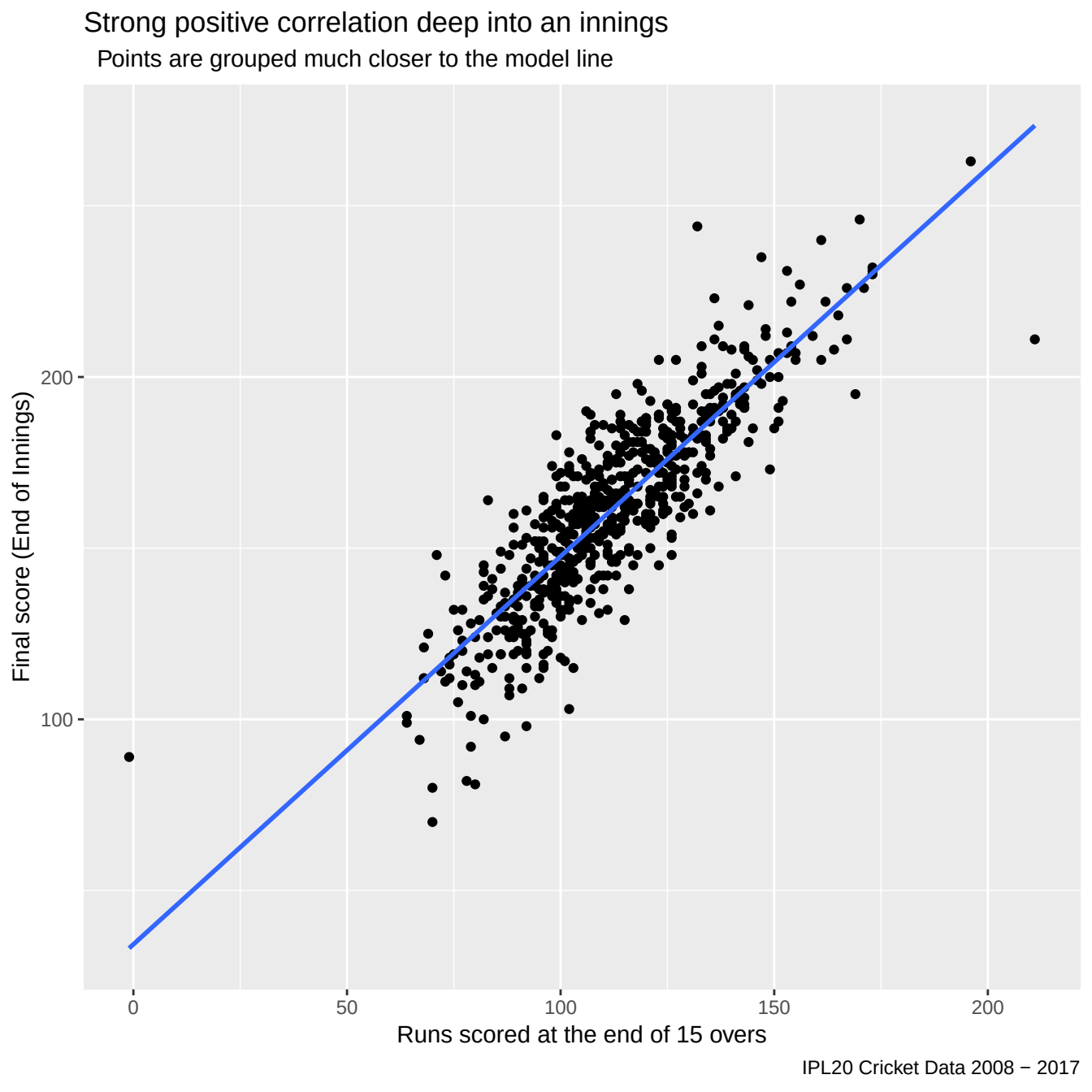
Your chances of losing are high if you have been winning less than 50%

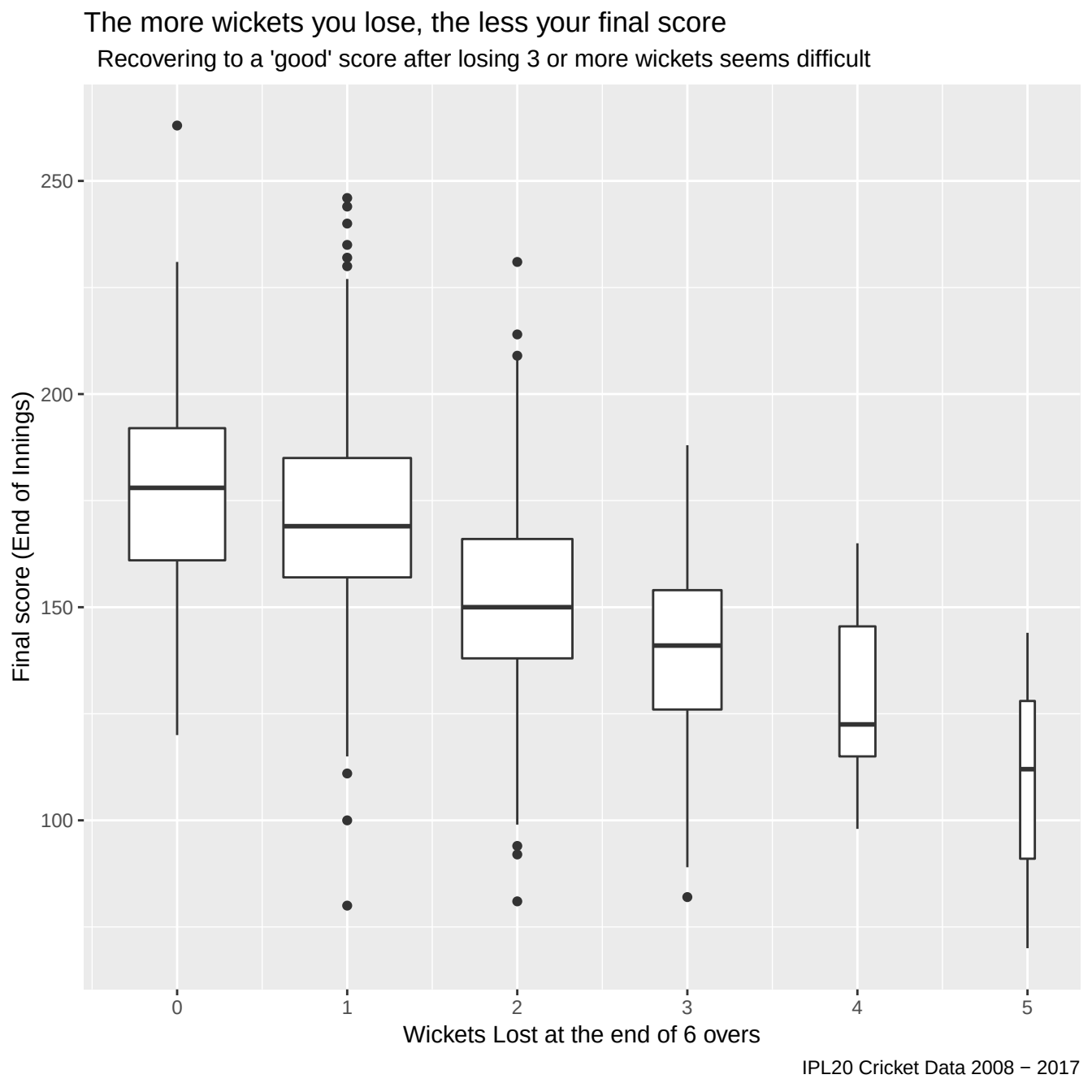


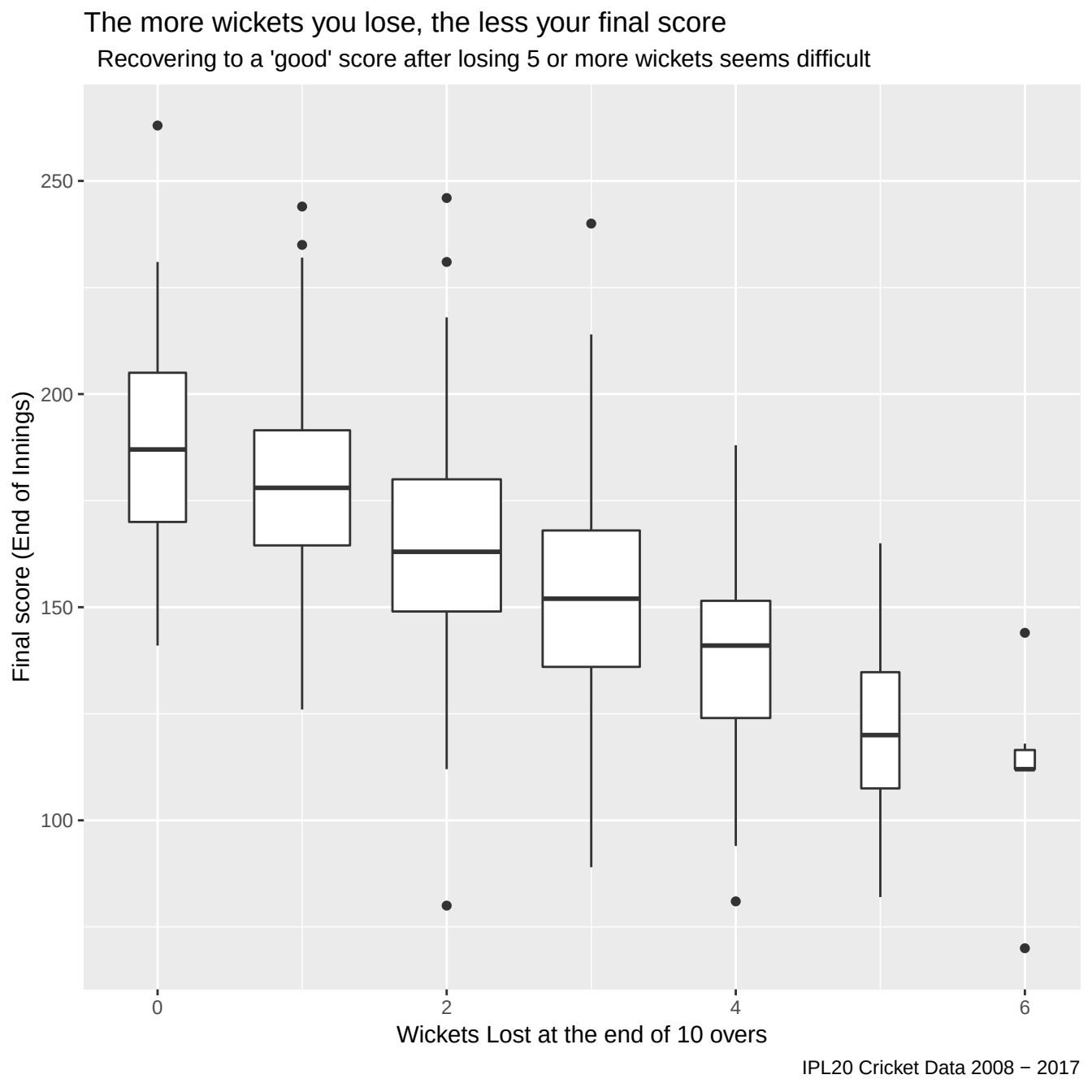
IPL20 Cricket Data 2008 − 2017


The higher your score is at Over 6, the higher your final score
But there is significant scatter outside the trend line
Final score (End of Innings)
250
200
150
100
20
40
60
80
Runs scored at the end of 6 overs
IPL20 Cricket Data 2008 − 2017


Deeper into an innings, the trend line is sharper
Definite positive correlation, with less outliers
Final score (End of Innings)
250
200
150
100
50
75
100
125
Runs scored at the end of 10 overs
IPL20 Cricket Data 2008 − 2017

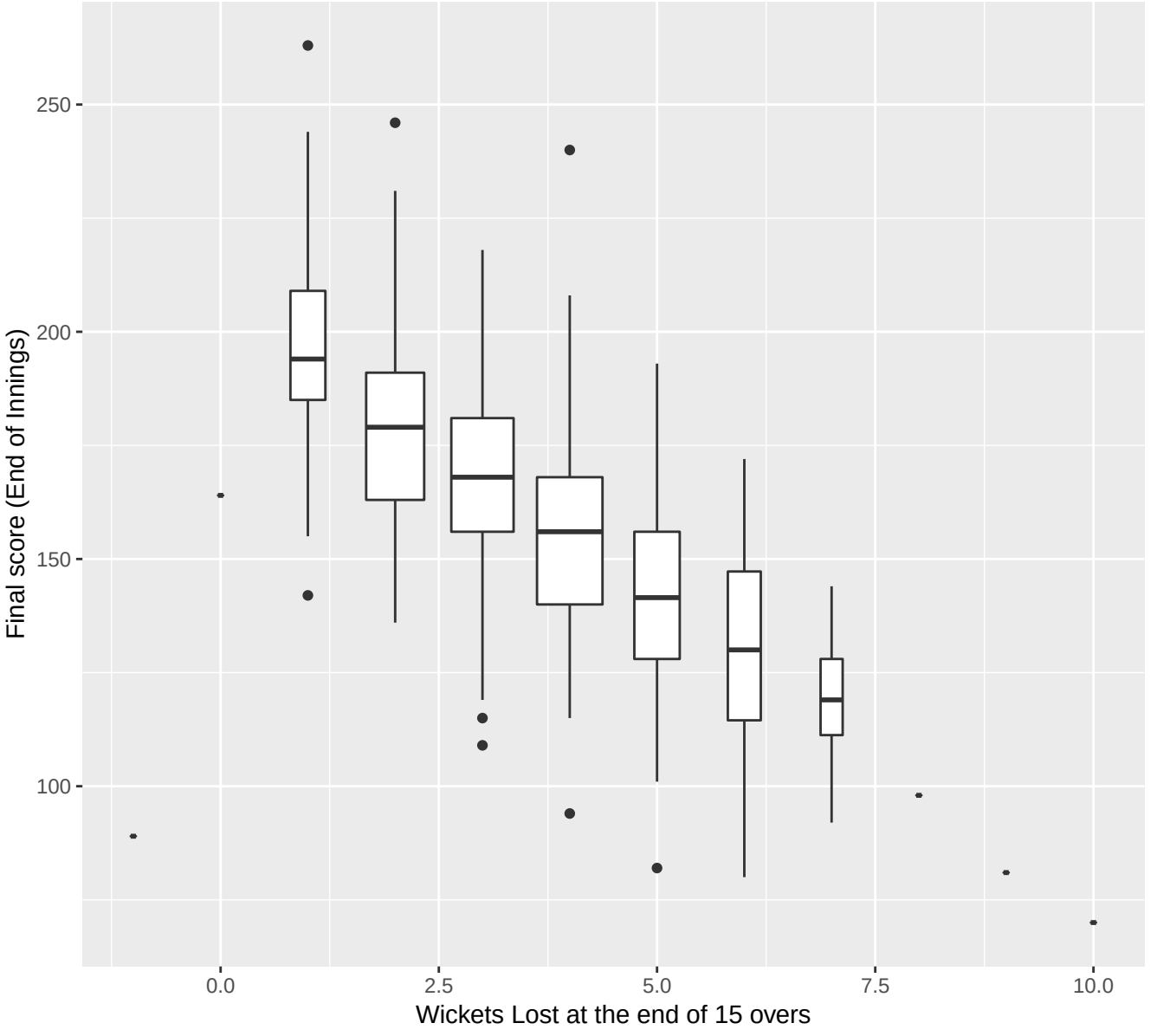

Strong positive correlation deep into an innings
Points are grouped much closer to the model line
Final score (End of Innings)
200
100
0
50
100
150
200
Runs scored at the end of 15 overs
IPL20 Cricket Data 2008 − 2017


The more wickets you lose, the less your final score
Recovering to a 'good' score after losing 3 or more wickets seems difficult
Final score (End of Innings)
250
200
150
100
0
1
2
3
4
5
Wickets Lost at the end of 6 overs
IPL20 Cricket Data 2008 − 2017


The more wickets you lose, the less your final score
Recovering to a 'good' score after losing 5 or more wickets seems difficult
Final score (End of Innings)
250
200
150
100
0
2
4
6
Wickets Lost at the end of 10 overs
IPL20 Cricket Data 2008 − 2017

Deep into the innings

Clearly shows the negative impact of wickets lost on final score



IPL20 Cricket Data 2008 − 2017