Loras Soccer Analytics

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Agenda

What we will cover

The Data

Our Findings

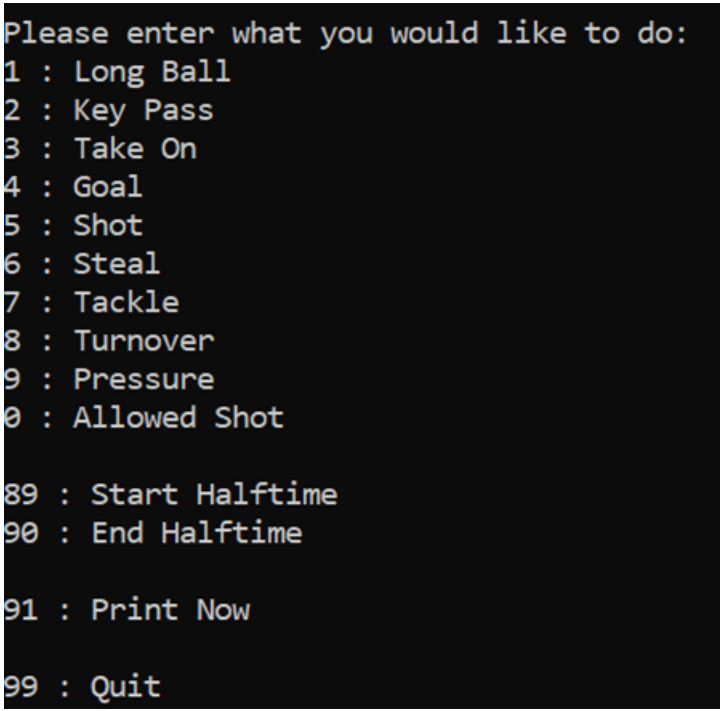
What's Next

Questions

The Data

How did we get the data?

- Built a program in C++
  - Collected 10 variables of data
- Looked at Fields specific to the Loras play style.
- Manually tracked data at all of the home games.
- Exported to text file to be pulled into excel
- Tracked players based on points
- Human error is a factor in this data

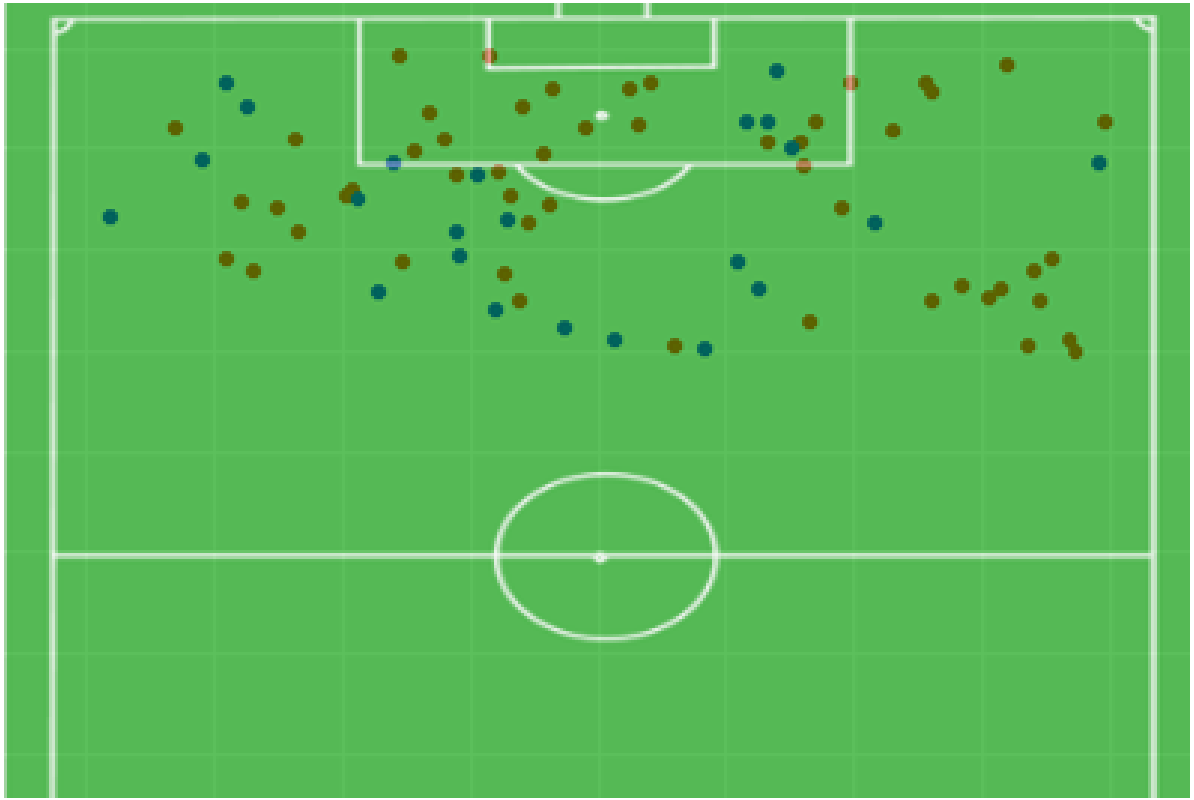


What we Found

Pressure

Blue: Successful Pressure

Red: Unsuccessful Pressure



Attempts: 114
Successes: 78
Fails: 36

Success Rate: **68.4%**

Pressure by Player

Jersey Number	Successes	Fails	Tries	Success Rate
5	14	13	27	0.518
12	13	5	18	0.722
14	10	4	14	0.714
10	6	2	8	0.75
26	4	0	4	0.100
13	3	1	4	0.75
17	3	0	3	0.100
23	3	0	3	0.100
58	3	2	5	0.60
4	2	0	2	0.100

Gio

Steal

Jersey Number	Foot	Head	Total
4	31	25	56
24	16	17	33
3	26	6	32
20	22	7	29
2	13	12	25
6	12	11	23
27	14	8	22
23	13	9	22
32	11	6	17
11	2	14	16

Foot	Head	Total
259	152	411
0.63	0.369	1.00

Arias

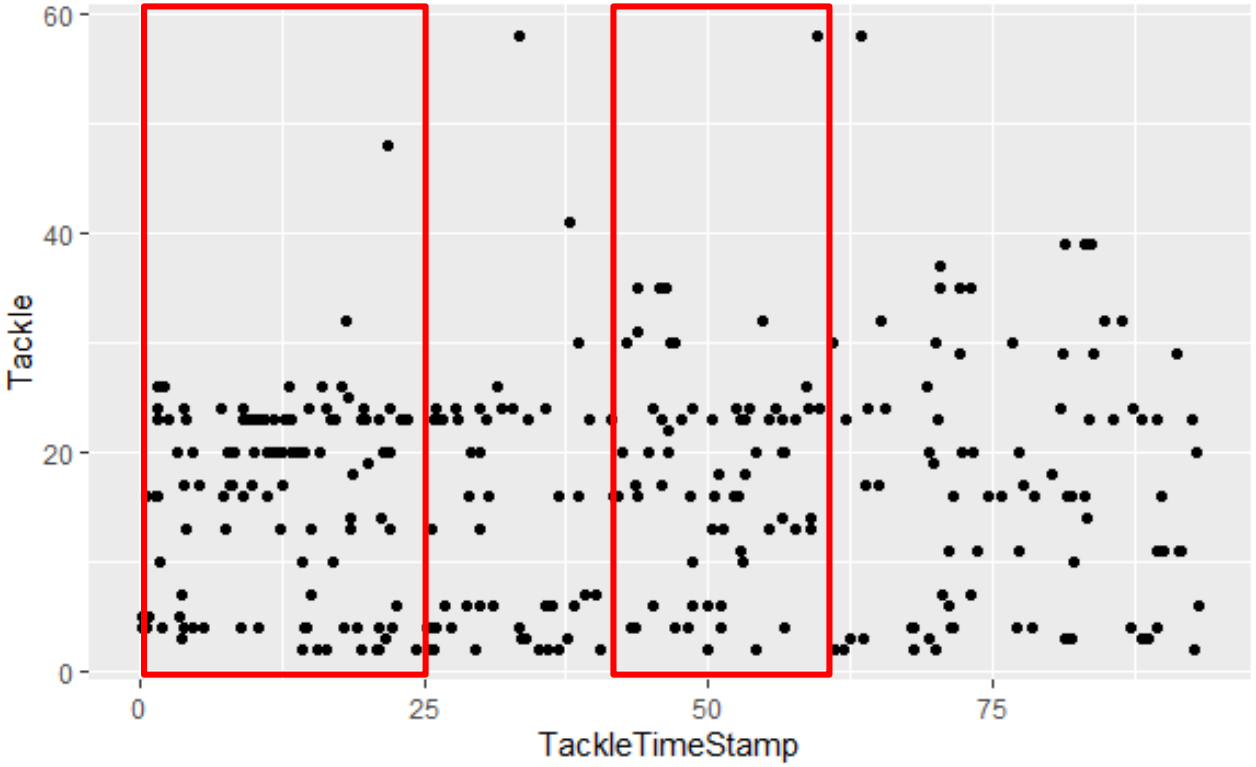
Tackle

Jersey Number	Standing	Sliding	Total
23	33	13	46
4	34	1	35
20	27	6	33
16	20	7	27
24	24	1	25
2	17	6	23
6	13	1	14
13	13	0	13
3	10	2	12
17	8	3	11

Standing	Sliding	Total
262	55	317
0.826	0.173	1.00

Arias

Tackle



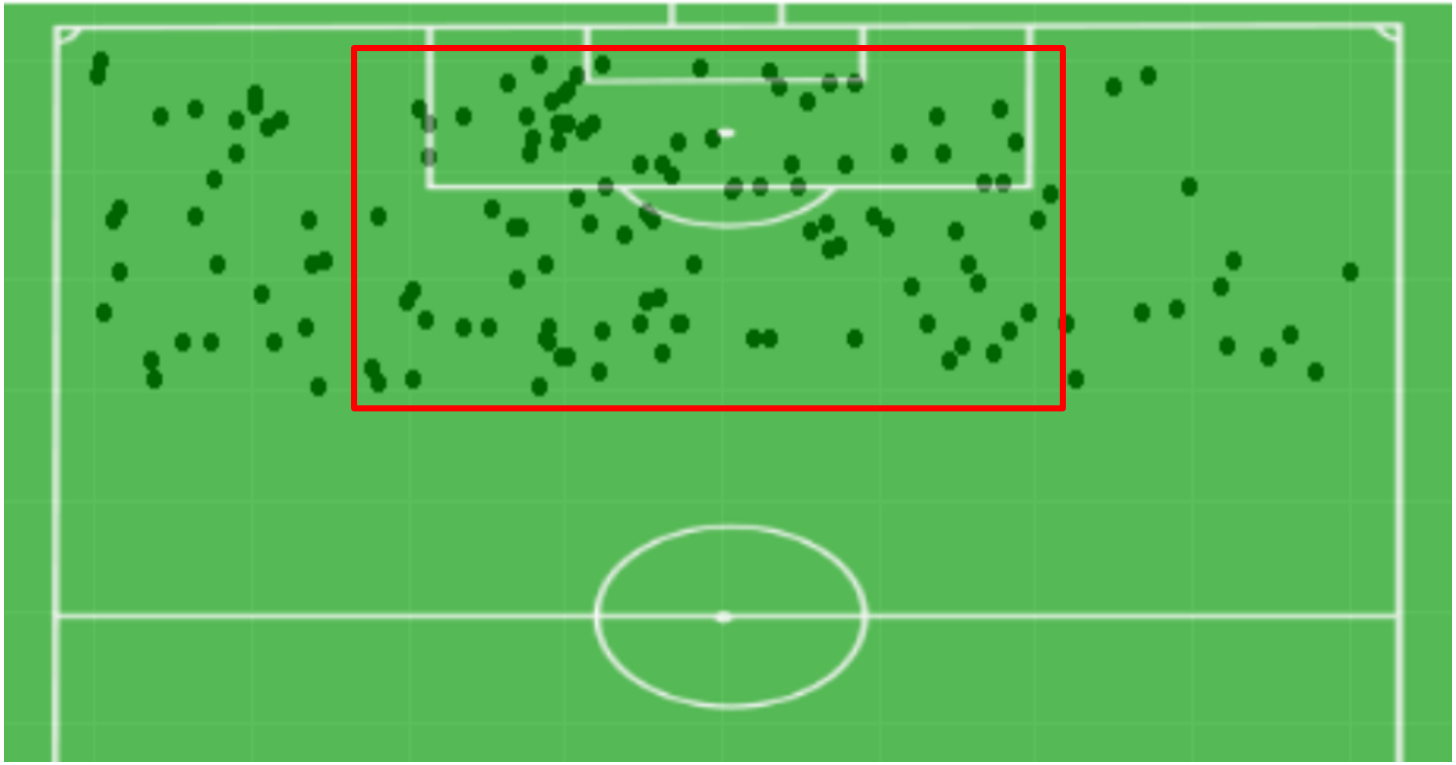
Arias

Take On by Player

Jersey Number	Successes	Fails	Tries	Success Rate
10	31	8	39	0.795
26	19	9	28	0.679
3	11	3	14	0.786
12	9	1	10	0.900
13	9	2	11	0.818

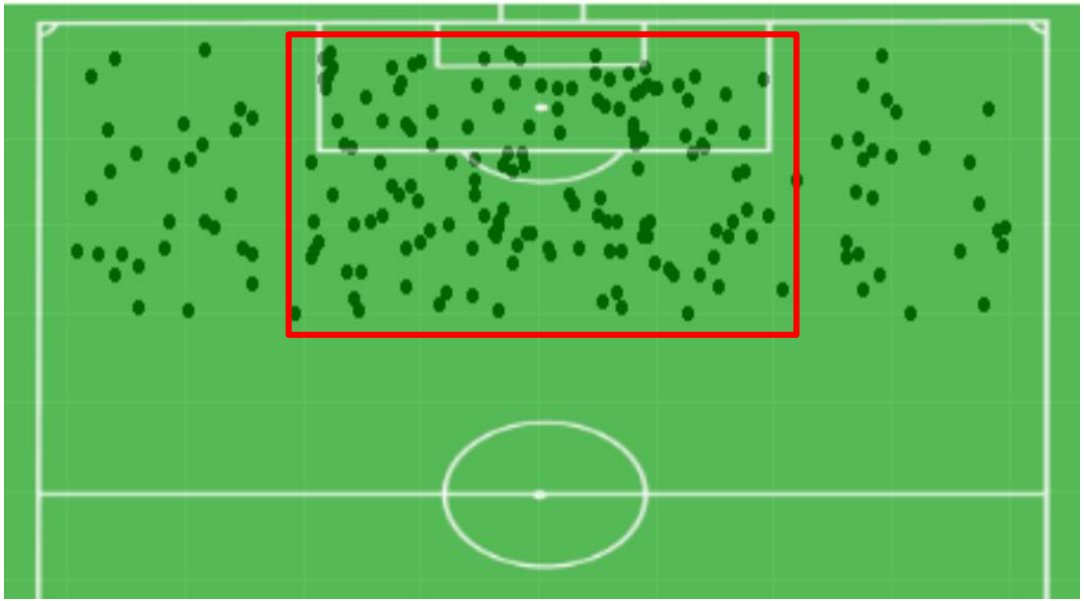
Tyler

Take On



Tyler

Key Pass



Jersey Number	Key Passes
10	47
26	35
14	19
4	18
19	15
5	13
13	13
12	12
17	12
24	9

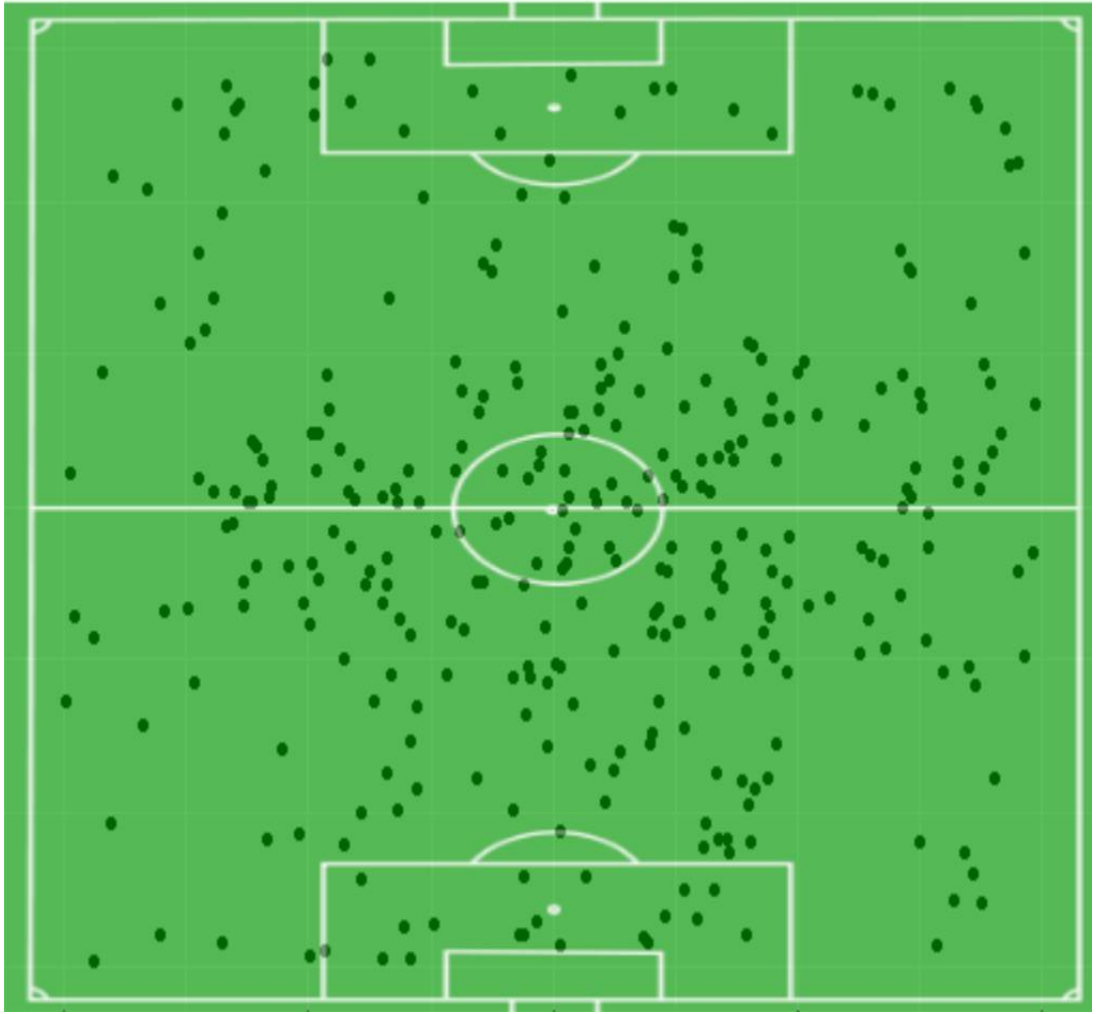
Arias

Long Ball

Attempts: 652
Success: 328
Fail: 324

Success Rate: **50.3%**

*Pictured, entirely successful long balls



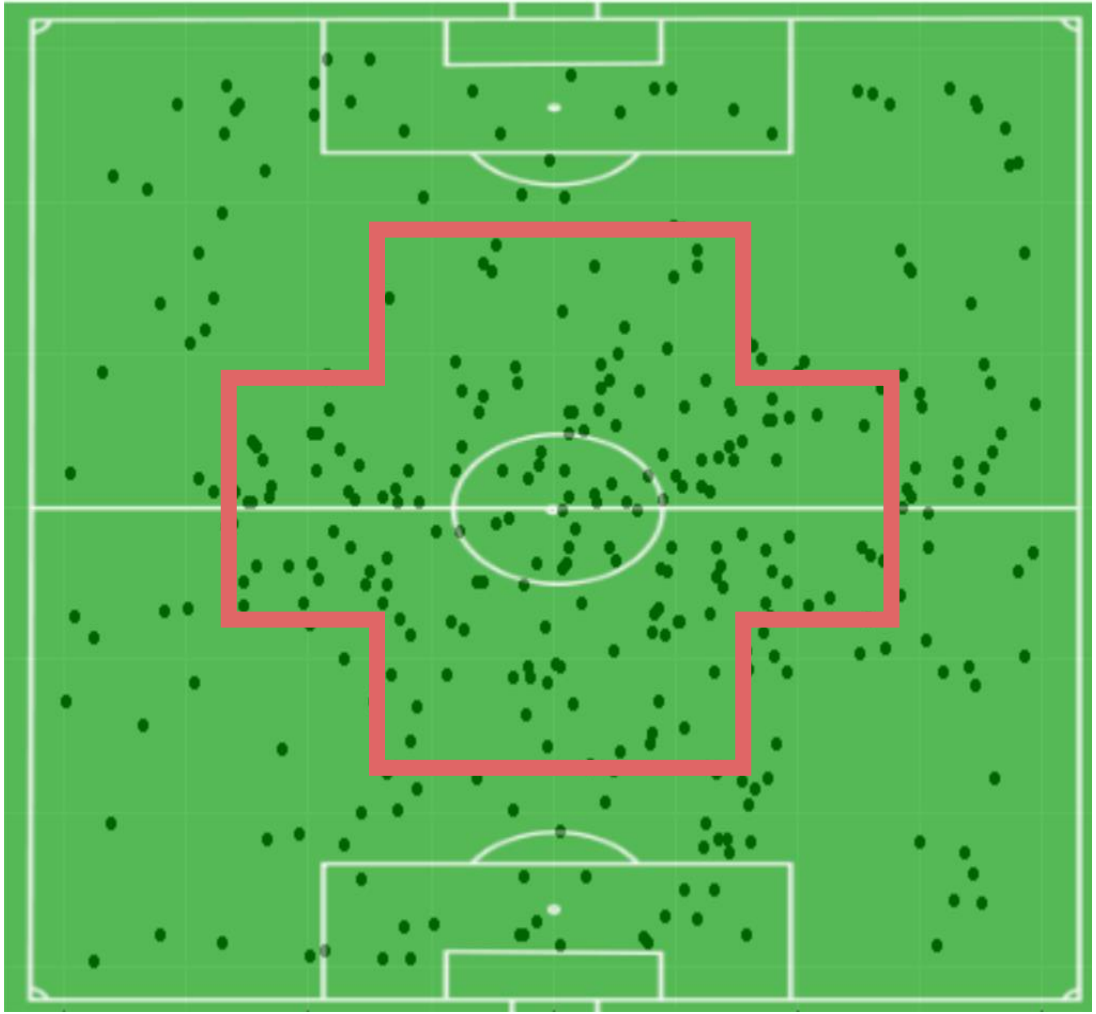
Gio

Long Ball

Attempts: 652
Success: 328
Fail: 324

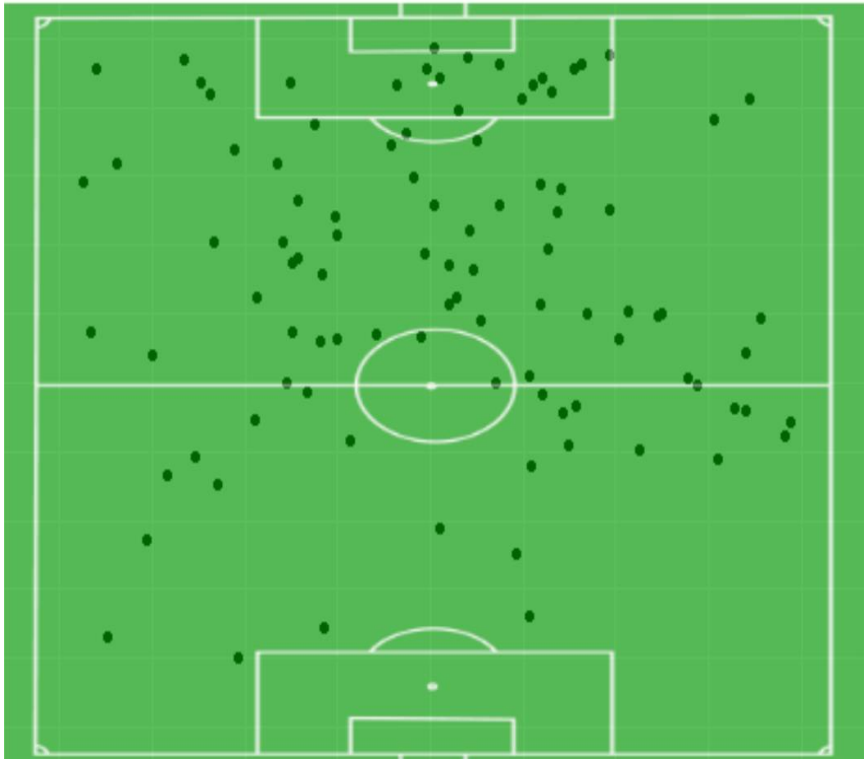
Success Rate: **50.3%**

Most Long Balls were taken successfully from the middle of the field.



Gio

Turnover



Pass	Standing	Total
49	60	109
0.449	0.55	1.00

Defensive Side	Offensive Side	Total
27	82	109
0.247	0.752	1.00

Arias

Allowed Shot

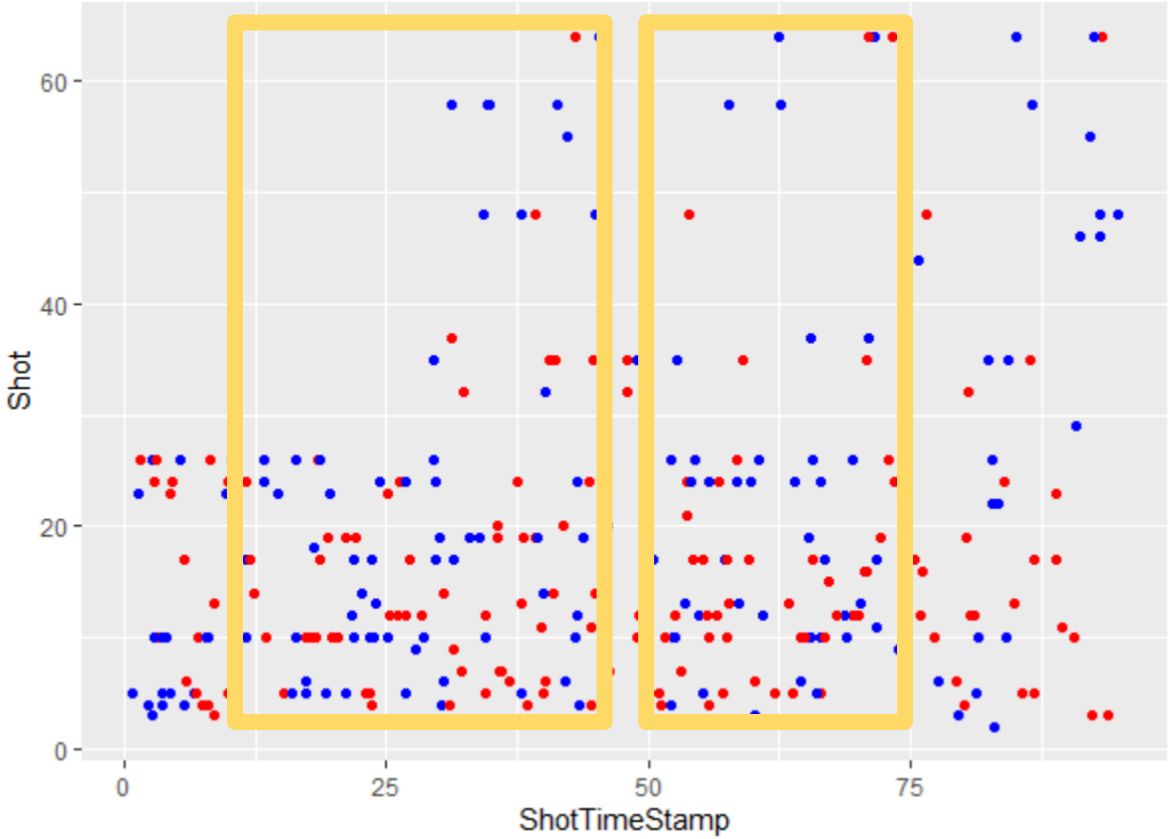
There were 96 allowed shots on goal

21 of them went in

0.782 Stopping Rate

Tyler

Shot



Blue: On Frame

Red: Off Frame

On Frame	Off Frame	Total
180	122	302
0.596	0.404	1.00

Tyler

Goals

Goal Facts

Which Type	Count
Assisted	28
Solo	21
Corner	4
Penalty	3
Direct Free Kick	2

- Overall 67 goals scored, 59 goals recorded in dataset
- 42 goals scored with feet, 17 goals scored with headers
- 53 goals scored inside the box, 6 scored outside

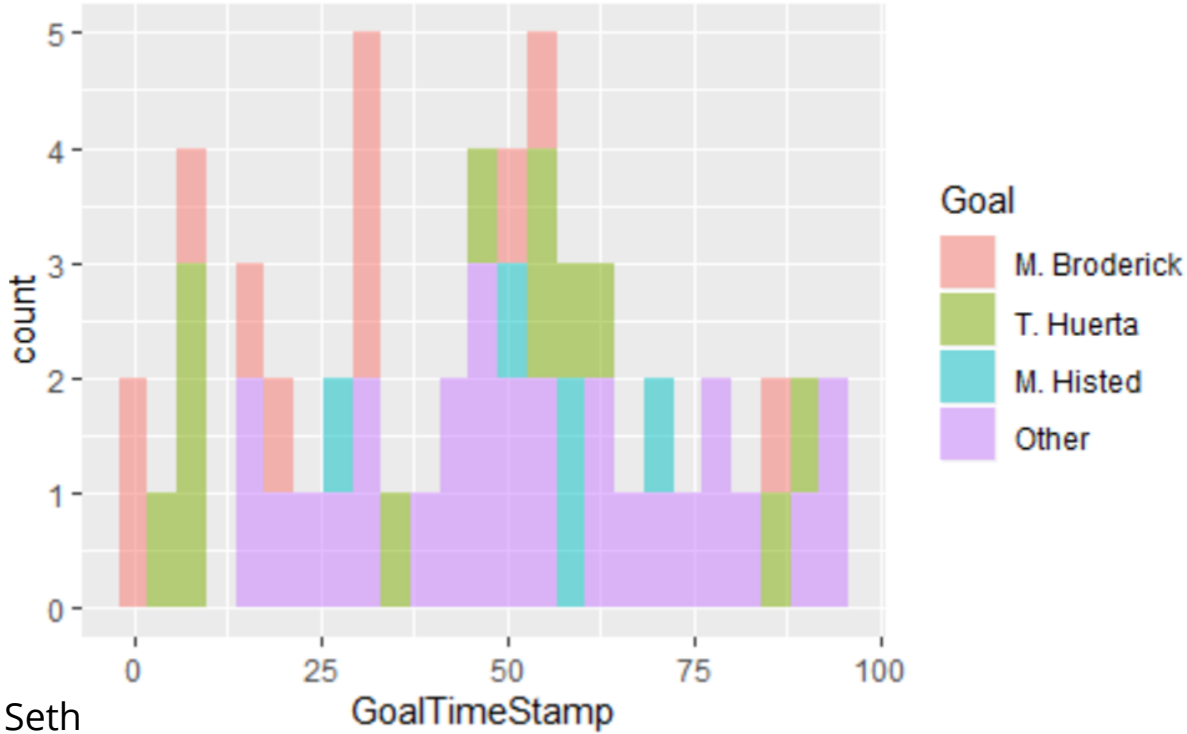
Seth

Top Scorers List

Player	Count
T. Huerta	13
M. Broderick	12
M. Histed	5
E. Kyoore	4
S. Gzikas	4
Z. Huerta	4
K. Kucaba	2
E. Lopez	2

Seth

Top Scorers Analysis



Broderick

- Scores almost all goals before minute 60
- Scores majority of goals in first 30 minutes

Huerta

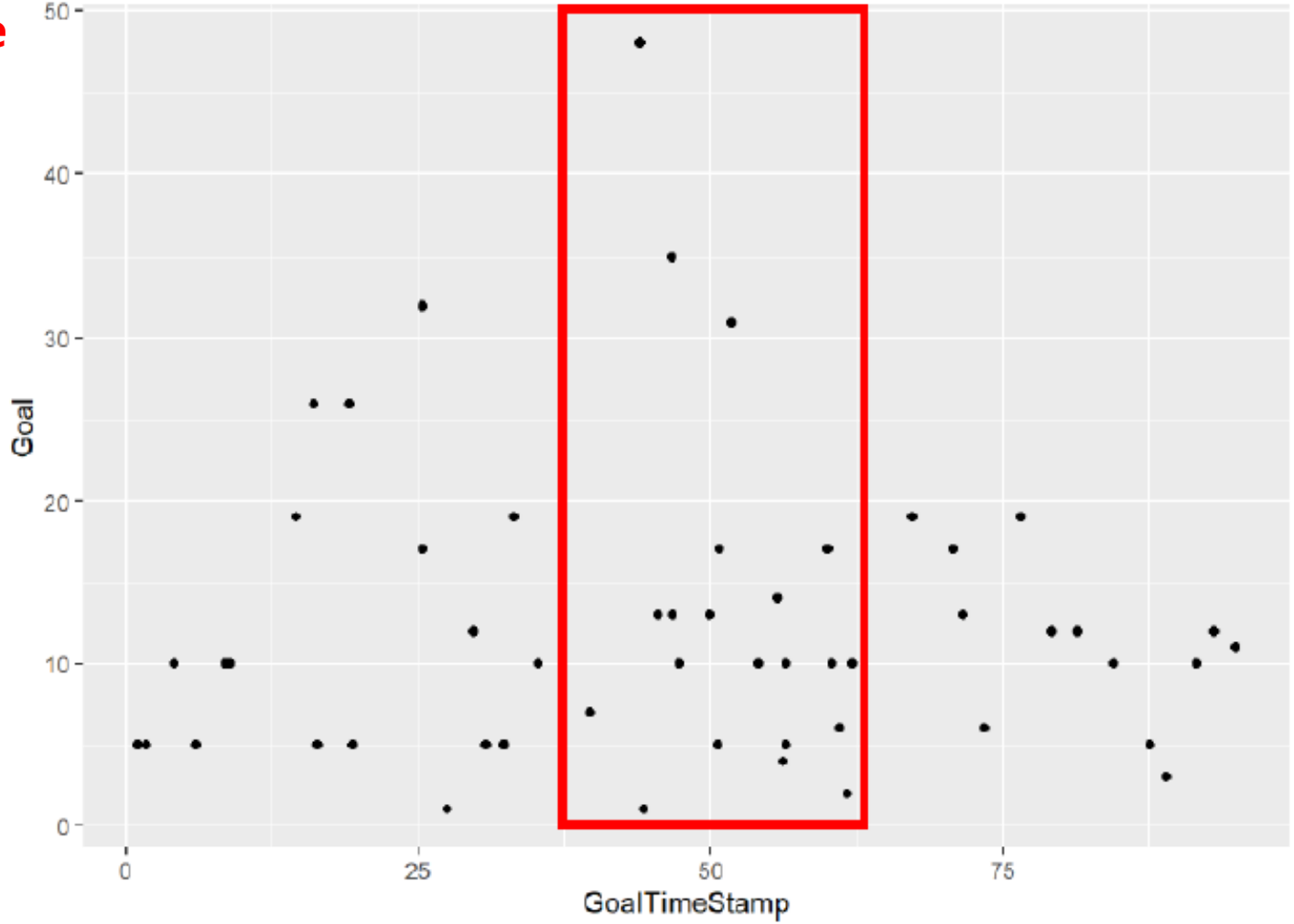
- Scores a lot early and late
- Significant clump between 45 and 60
- Clutch

Histed

- Almost all goals in second half
- Scores early second half

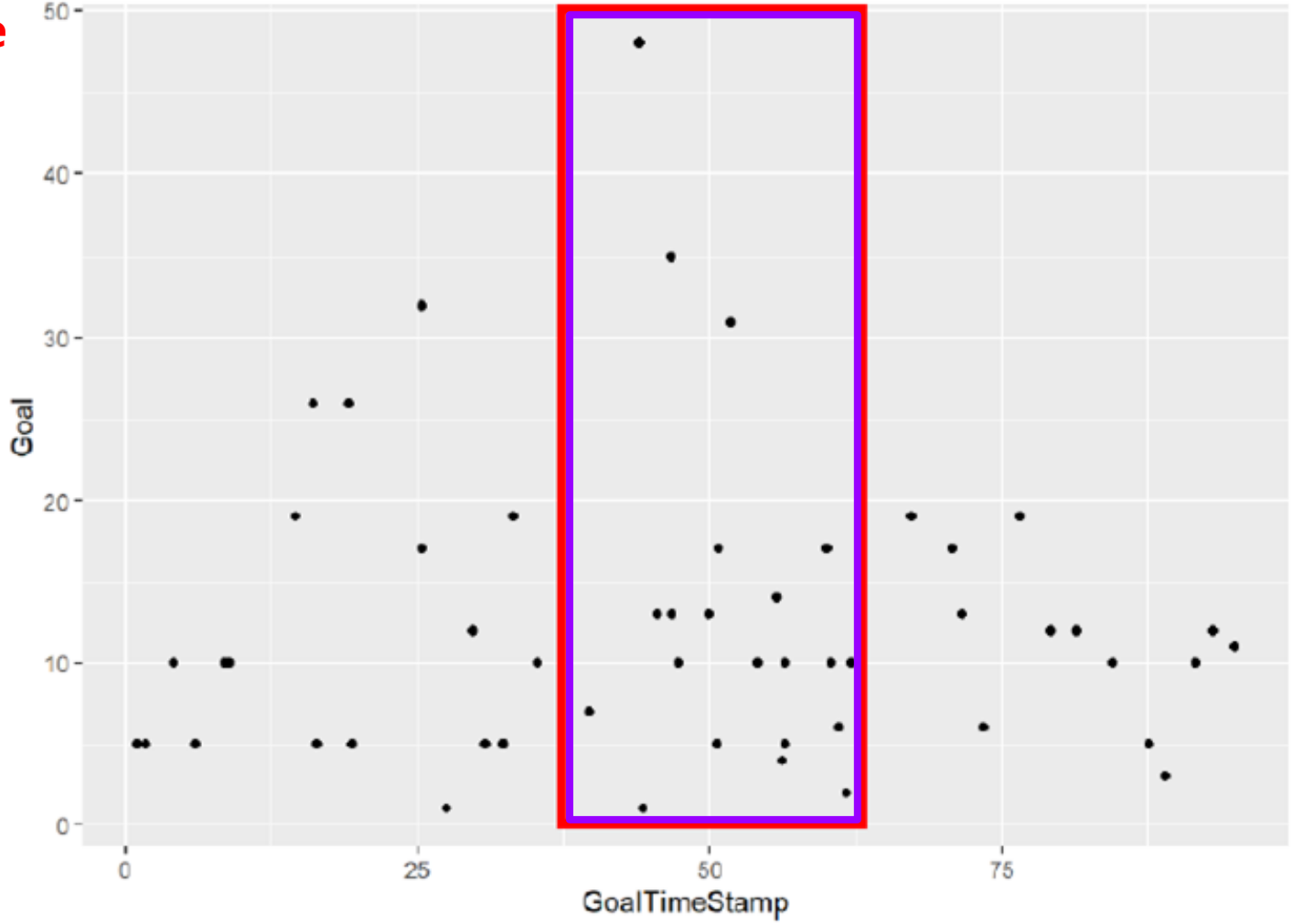
Seth

Red Zone



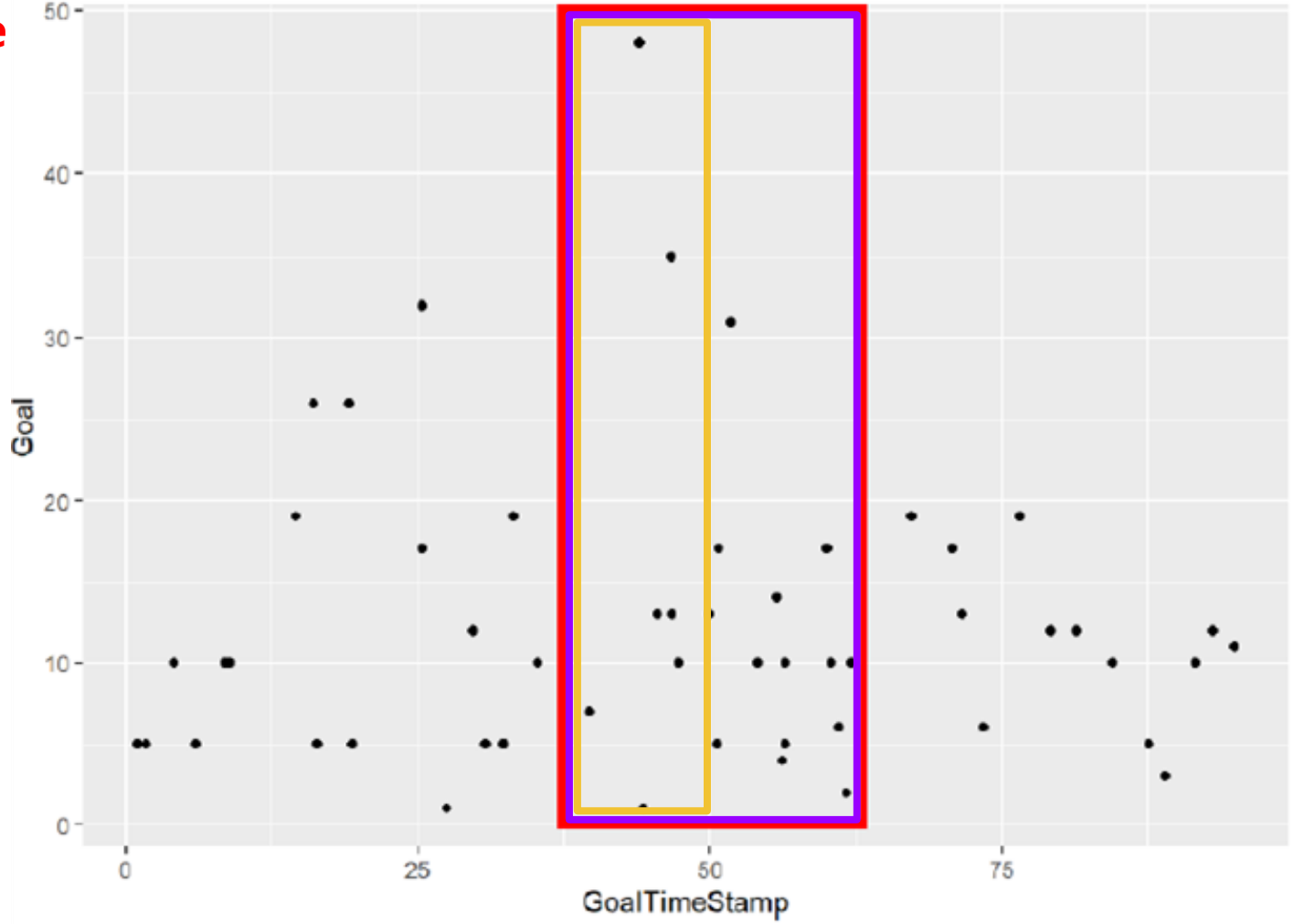
Rhomberg

Red Zone
Take On
Steal



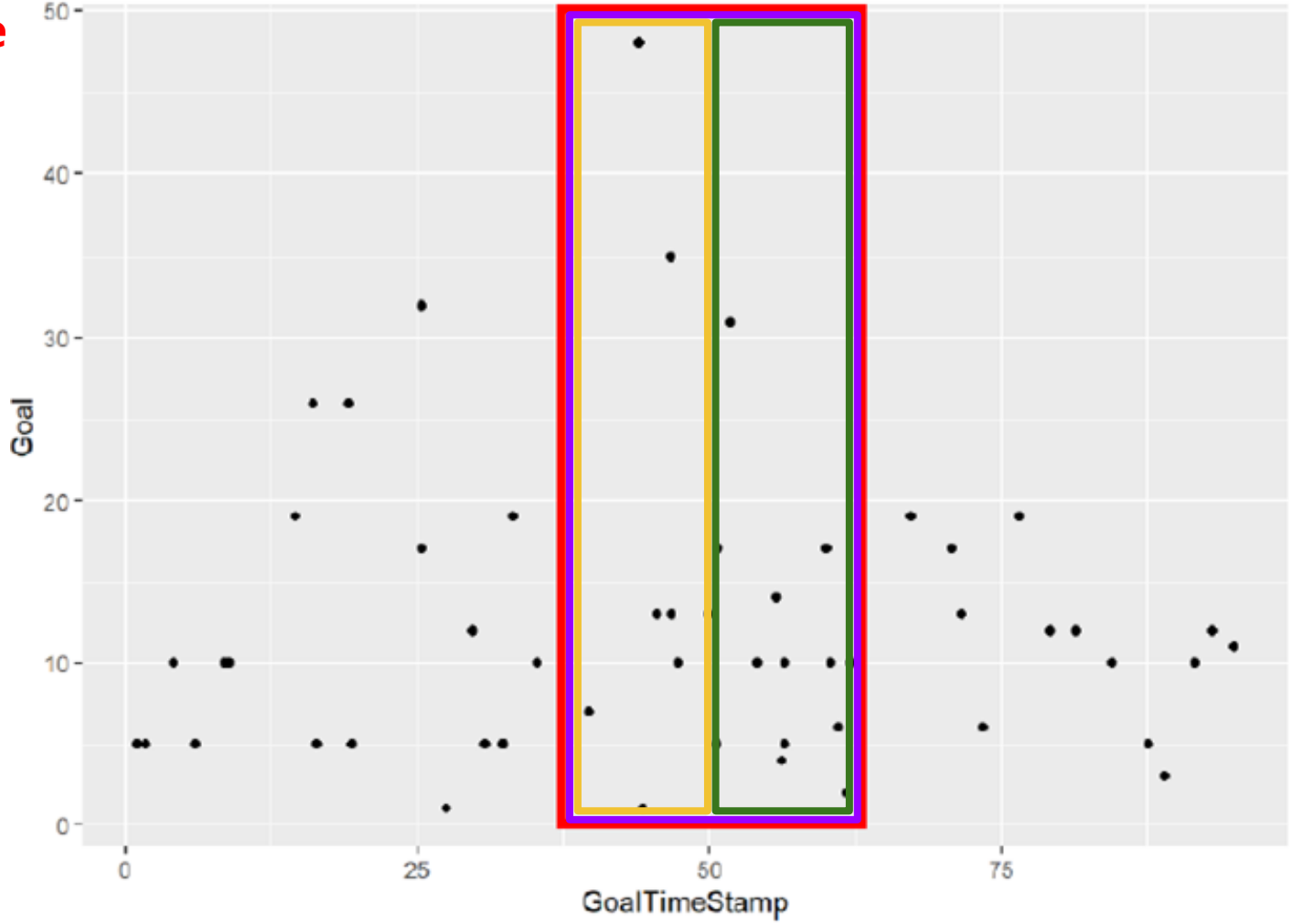
Rhomberg

Red Zone
Take On
Steal
Tackle



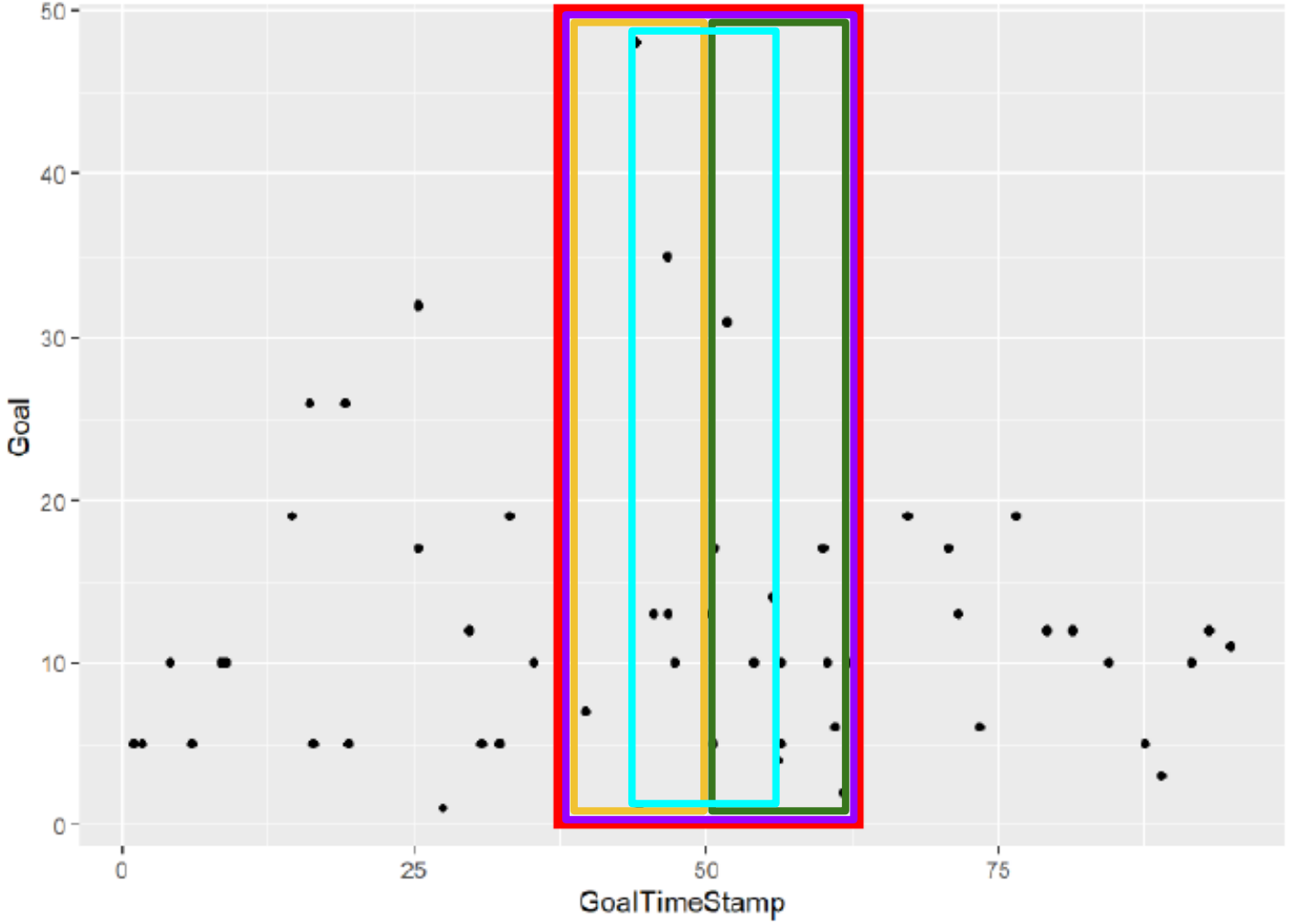
Rhomberg

Red Zone
Take On
Steal
Tackle
Key Pass



Rhomberg

Red Zone
Take On
Steal
Tackle
Key Pass
Long Ball



Rhomberg

What's Next ?

The Future

Use the data we have to build a dashboard (stats by game):

- R Shiny
- Tableau
- Power Bi

Tweak Program to gather more specific data in certain fields:

- Longball: Where they were kicked from and landed
- Set Pieces: Type, location, outcome
- Listen to feedback

Explore more options:

- Scrape data from online?
- Look into various data methods (Expected goals, new graphs, etc.)

Rhomberg

Questions ?

Thank You