Boston Bolts U16 xG Breakdown

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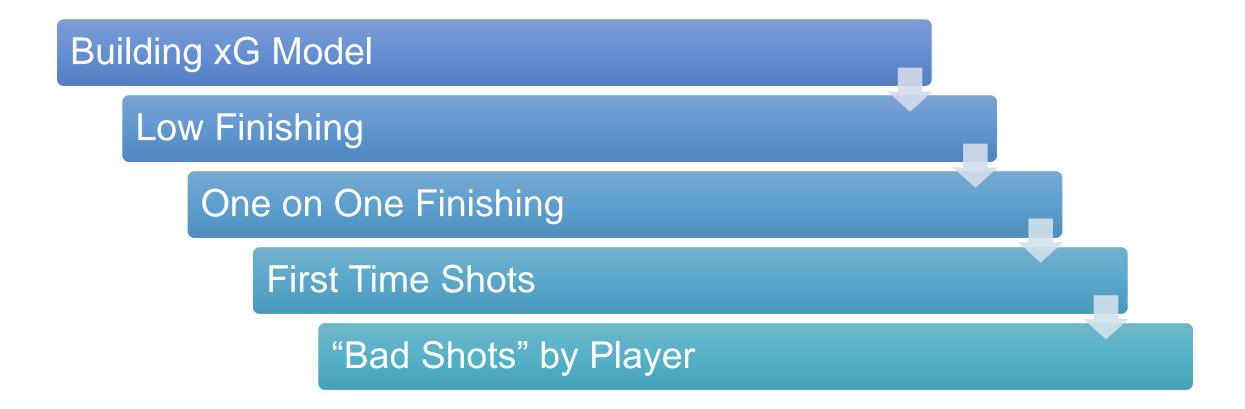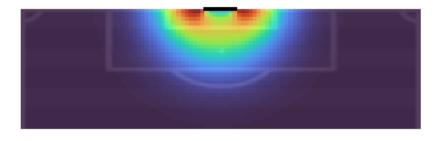
U16 xG Model

- Here is the overall expected goals model for the Boston Bolts U16

- This shows a high xG near the goal but as shots are taken away from the goal, the xG drops tremendously

  - It's interesting to see though that we are less effective from shots inside 6 yd box not centered in the middle of the goal; I don't see this trend with any other team

- Also, shots outside the box for the 16s have around a 0.05 xG

  - This is also very low

- I think this chart highlights the issues with finishing from the 16s whether its inside or outside the box
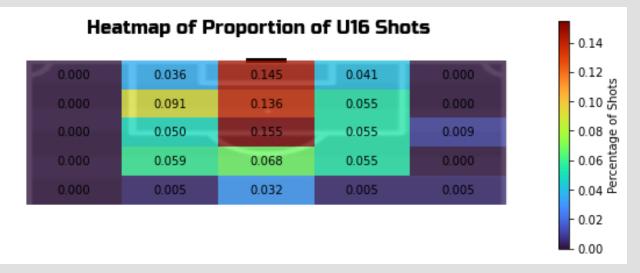

Heatmap of Expected Goals For U16

Heatmaps of Proportions of Shots and xG

- Comparing these two charts, here are my observations:

- Shooting from central areas
  - Statistically speaking, this is the best place to shoot from and the 16s do a great job of getting into these areas

- Struggling with finishing outside the box
  - Besides the first central area contained within the penalty arc, the team's finishing is very poor with just a 3% chance of scoring a goal at most
  - A good number of shots are recorded in these areas too (~33%)

- Struggling to score from wide areas inside the box
  - The xG recorded here is the lowest across all teams in the club
  - This tells that if we are unable to setup shots in front of the goal and inside the box, there is a very good chance we're not scoring a goal

Average xG of U16 Shots

0.001	0.135	0.486	0.112	0.001
0.001	0.067	0.300	0.056	0.000
0.000	0.024	0.110	0.020	0.000
0.000	0.007	0.028	0.006	0.000
0.000	0.002	0.006	0.001	0.000

xG Value

Heatmap of Proportion of U16 Shots

0.000	0.036	0.145	0.041	0.000
0.000	0.091	0.136	0.055	0.000
0.000	0.050	0.155	0.055	0.009
0.000	0.059	0.068	0.055	0.000
0.000	0.005	0.032	0.005	0.005

Percentage of Shots

Veo Clips

Shooting From Central Areas

Missed Shots from Wide Areas

Shooting Strengths and Weaknesses

Team		Total	Normal	First Time	Volley	1 on 1
	Goals	40	19	8	4	9
U13	xG Value	43.71	18.22	13.52	4.14	6.89
	Goals	40	23	10	5	2
U14	xG Value	28.05	16.86	8.02	3.78	1.33
	Goals	27.85	15	14	3	2
U15	xG Value	34	11.2	12.41	3.46	1.65
	Goals	39	13	11	1	14
U16	xG Value	54.9	23.5	8	1.32	17.1
	Goals	30	23.53	7	0	5
U17	xG Value	30.99	15.73	9.65	1.49	4.24
	Goals	22.36	9	6	4	3
U19	xG Value	22	11.45	4.4	2.81	3.78

- The top spreadsheet shows some of the strengths and weaknesses for each team in the club
  - The 16s appear to struggle in their overall Goals and xG ratio and 1 on 1 and standard shots
  - They do a good job of finishing first time shots however
- Below, you can see overperformance and underperformance for each zone on the pitch
  - Most of the Bolts underperformance comes centrally inside the 6 yd box and around the 18 yd box
  - It is interesting that they exceed the xG around the penalty spot

Difference Between Goals and xG of Boston Bolts U16

0.0	-0.6	-3.1	-1.3	0.0
0.0	-1.9	2.0	-1.8	0.0
0.0	-0.8	-4.5	-0.1	-0.0
0.0	-1.0	-1.4	-0.5	0.0
0.0	-0.0	-0.3	-0.0	-0.0

Veo Clips of Missed Shots Inside Six Yard Box

1 v 1 Goalkeeper Chances

Number of 1-on-1's with Goalkeeper
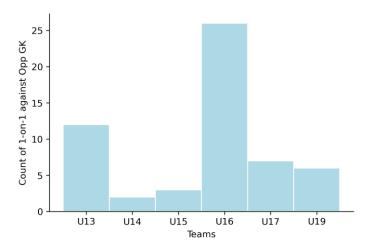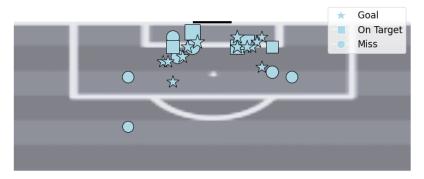
- Looking further into 1 on 1 opportunities against the goalkeeper, we can see that the 16s by far have created the most of these in the club
  - They are double the next closest team
- This is a great sign that we can create so many good opportunities
- You can observe most one-on-one shots came just outside or inside the 6 yd box
- It appears on the right side of the pitch we convert more chances closer to the goal while on the left side there are more shots

1 on 1 Shooting of U16 Boston Bolts

Veo Clips of Missed 1 on 1 Opportunities

First Time Shooting

First Time Shooting of U16 Boston Bolts
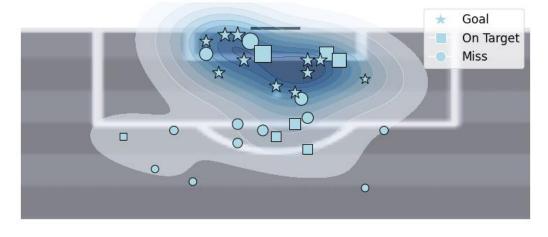
- Here we can see the immense success of first time shooting from the 16s inside the box
  - This is especially the case past the penalty spot, we have a conversion rate of 73%

- Outside the box, the team has yet to score a goal and has four of twelve shots on target

- It's also good to see that most of the first-time shots with this team come from inside the box
  - First time shots outside the box are very difficult to score

Veo Clips of First Time Shots Inside the Box

Bad Shots by Player

- A lot of the players here are midfielders which is interesting

- Also interestingly, there has yet to be a goal scored on any of the "bad shots" or shots below 0.1 xG

- For midfielders, Logan and Vasilian do a good job of getting into quality shooting situations
  - This is shown by their average xG

- Karim tends to only take shots with low xG
  - Perhaps it would be good to talk with him about better areas to shoot from and not taking so many shots in games

Bad Shots U16 Leaders

Player	Average xG	Bad Shots per 90	Conversion Rate
Karim Eljamal	0.1	1.51	0.0
Kaio Morias	0.17	0.59	0.0
Vasilian Mbrice	0.22	0.41	0.0
Logan Moniz	0.22	0.9	0.0

Key Takeaways

- The 16s do a good job of shooting from high-value central areas, but they struggle with shots outside the box and wide areas inside the box
- Generally, the 16s are a poor finishing team and have missed out on opportunities in 1 on 1 situations and underperformed with shots inside the 6 yd box and centrally around the outside of the 18 yd box
  - They do a good job of finishing first time shots though inside the box
  - The team creates way more 1 on 1 chances with the goalkeeper than the rest of the teams in the club, but again poor finishing underlines the xG underperformance here
- This is by no means a wholistic analysis, there are nuances that you coaches will know, but I hope this kickstarts some conversation on improvements to make as a club and provides a different perspective into what the data says for this year