

# Rocket League Analysis

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## Contents

1	Executive Summary	2
2	Data Source	3
3	Data Cleaning	3
4	Exploratory Data Analysis	4



# 1 Executive Summary

[ to write ]

## 2 Data Source

[ to write ]

## 3 Data Cleaning

- dropped car features, only used location data

```
data_condensed <- read.csv("../results/clean_shot_data.csv") %>%
  select(c(goal, ball_pos_x, ball_pos_y, ball_pos_z,distanceToGoal,shot_taker_pos_x))

data_condensed %>%
  kable(format = "latex", row.names = NA,
        booktabs = TRUE, digits = 2,
        caption = "Subset of Location Features") %>%
  kable_styling(position = "center", latex_options = "HOLD_position")
```

Table 1: Subset of Location Features

goal	ball_pos_x	ball_pos_y	ball_pos_z	distanceToGoal	shot_taker_pos_x
0	2099	616	120	4681	2220
0	1013	3655	348	1490	1139
0	-213	941	205	4343	-189
1	530	4797	283	501	532
0	-3907	-2882	1183	8568	-3998
1	350	4390	229	1455	278

## 4 Exploratory Data Analysis

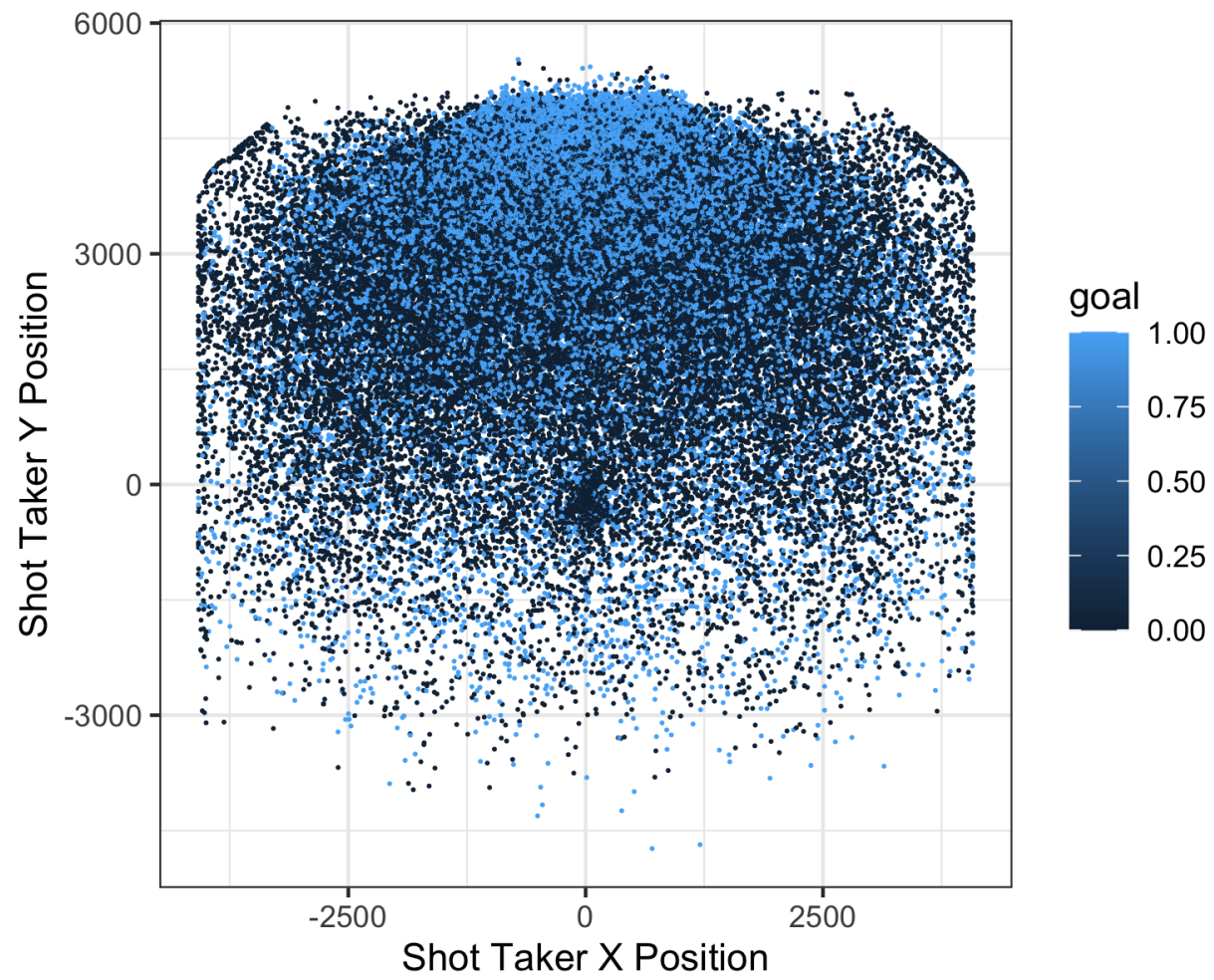


Figure 1: X-Y Field and Predicted Expected Goals