**Data Science Task**

Attached in your interview email is a modified dataset of pass events for a complete season.

**Definitions for the included variables:**

Player\_id – an ID for the player making the pass

Game\_id – and ID for the game in which the pass occurred

Team\_id – an ID for the team of the player making the pass

Home/(away)\_score –the home(/away) team’s score at full time for the game

Home/(away)\_id –the home(/away) team’s id

Half – which half the pass occurred in

Minute – which minute of the match the pass occurred in

Second – the seconds part of the match clock (along with minute above)

Outcome – 0/1 recording whether the pass was complete or incomplete

x – the x coordinate of the pass in metres\*

y – the y coordinate of the pass in metres\*

endx – the end x coordinate of the pass in metres\*

endy – the end y coordinate of the pass in metres\*

hd\_pass – 0/1 for a headed pass

cross – 0/1 for a cross

corner – 0/1 for a corner kick pass

throw – 0/1 for a throw-in

gk\_throw – 0/1 for a pass thrown from the goalkeeper

fk\_taken – 0/1 for a pass which is a free kick taken following a foul or stoppage of play

chipped – 0/1 for a pass in the air

\*All coordinates assume a 105mx68m pitch and have been adjusted for direction of play so that x goes from 0-105 in the attacking direction and y goes 0-68 from right to left from the perspective of the attacking team e.g. team A with a pass originating from (x, y) = (90, 55) passed the ball from the left hand side of the opposition box.