APPROACH

	Data Pr	ata Prep:		
		Quality checks performed / Errors found:		
		•	Knockout_match2 column contains value other than 0 and 1. This column should be binary like this first one.	
		•	Match_event_id column has missing values which cannot be predicted.	
Data preprocessing steps:		eprocessing steps:		
		•	Finding Missing values of various columns. Majorly Mean and Mode are used to assign values to NA.	
		•	For Home/Away column, missing values were calculated using regular expression and using Lat/Lon column as well.	
		•	Data type conversion for correlation	
	EDA:			
		<u>Feature</u>	generation:	
		•	Converting factor variables to dummy variables .	
		•	Using Colum1 for shot_id_number because it had missing values.	
		•	Separate out Latitude and Longitude variables.	
		Exploratory data analysis:		
		•	Mean and Mode of various variables.	
		•	Correlation Matrix	
		•	P-Value	
	☐ Model building:			
		Model (<u>Choice</u> :	
		•	Since we had to calculate probability of goal, we had to use regression and in that Logistic Regression . So, I have used Generalized Linear Model (GLM).	
		•	Dimensionality reduction is been done using PCA	
	Conclusion:			
		Importa	Important Features:	
		•	Knockout_Match	
		•	Power_of_shot	
		•	Remaining_min	
		•	Home.away	
		•	Range_of_shot	