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CS345 Database Systems

Final Project Final Deliverable

For high tier soccer clubs, finding the right players to fit into their teams involves a complex level of analysis to get players of quality that check the boxes that need to be checked. There are endless amounts of data publicly available that give the statistical numbers behind a player's ability to play the sport. By gathering as much information as possible teams then can make important personal decisions which usually have expensive financial implications. In today's game, managers tactical game plans require extensive players and if teams are supposed to play a certain way under the managers jurisdiction, that manager needs the proper players to carry out the tasks he asks of them. A team and managers style of play is not always consistent as game plans can change game to game and be based on the opponent. By looking at simple team statistics such as expected goals, expected goals against, and possession, it is very easy for an analyst to make observations about who the dominant team was and a general style that a team played without even watching the game. We can then go look at players playing in these games and the stats for each game help show how effective they were in a certain style of play. This will also help better analyze the combined season as you can look at the consistency of players and in what sorts of games were there best performances. When analyzed, the data can create depictions of players to see players' strengths and weaknesses. With all, a network being made strictly of data will give no accurate picture of a player's real quality. The truth behind how good a player really comes from the "eye test". The data network is meant to support theorized hypothesis about players and give users a deeper understanding of why a player plays the way they play.