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CS345 Database Systems

Final Project Proposal

The world of professional soccer is a global phenomenon where the amount of information linked to it is vast. The extensive knowledge that comes along with the information is essential to not only the fundamental organization of the sport but also the advancement of the sport in terms of athletic performance and worldwide popularity. The world of soccer analytics is a swiftly growing field where finding players of good value is done by scouting a boundless pool of players. To help potentially manage the wide range of players it could be useful to have a database that contains all the information necessary to scout a player. By having all of this data linked together in one place, it will allow for easier and more precise analysis as scouts, coaches, general managers, etc. will have all the information necessary to make executive decisions about players and teams. An extensive variety of knowledge is required to make these sorts of decisions. Players cannot be properly evaluated if knowledge of their team is not known. The several different leagues and cups that teams play in can have an impact on the quality along with the style of play of teams. These things are often interpretable knowledge that comes via the “eye test” or judging a player as they compete based upon subjective observations. By giving analysts who already have preexisting knowledge of players and teams access to a wide variety of statistical data, they can make better informed decisions with data to support their theories. The purpose of this database is to centralize all information necessary to scout soccer players so that the people making the informed decisions can make decisions that are sound and benefit the purpose of the analysis.