

# CS-586 Introduction to Database Management Systems

## Project – ER Diagram and Relational Schema

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Topic: - IPL Dataset

The given dataset can be broadly classified in the following tables: -

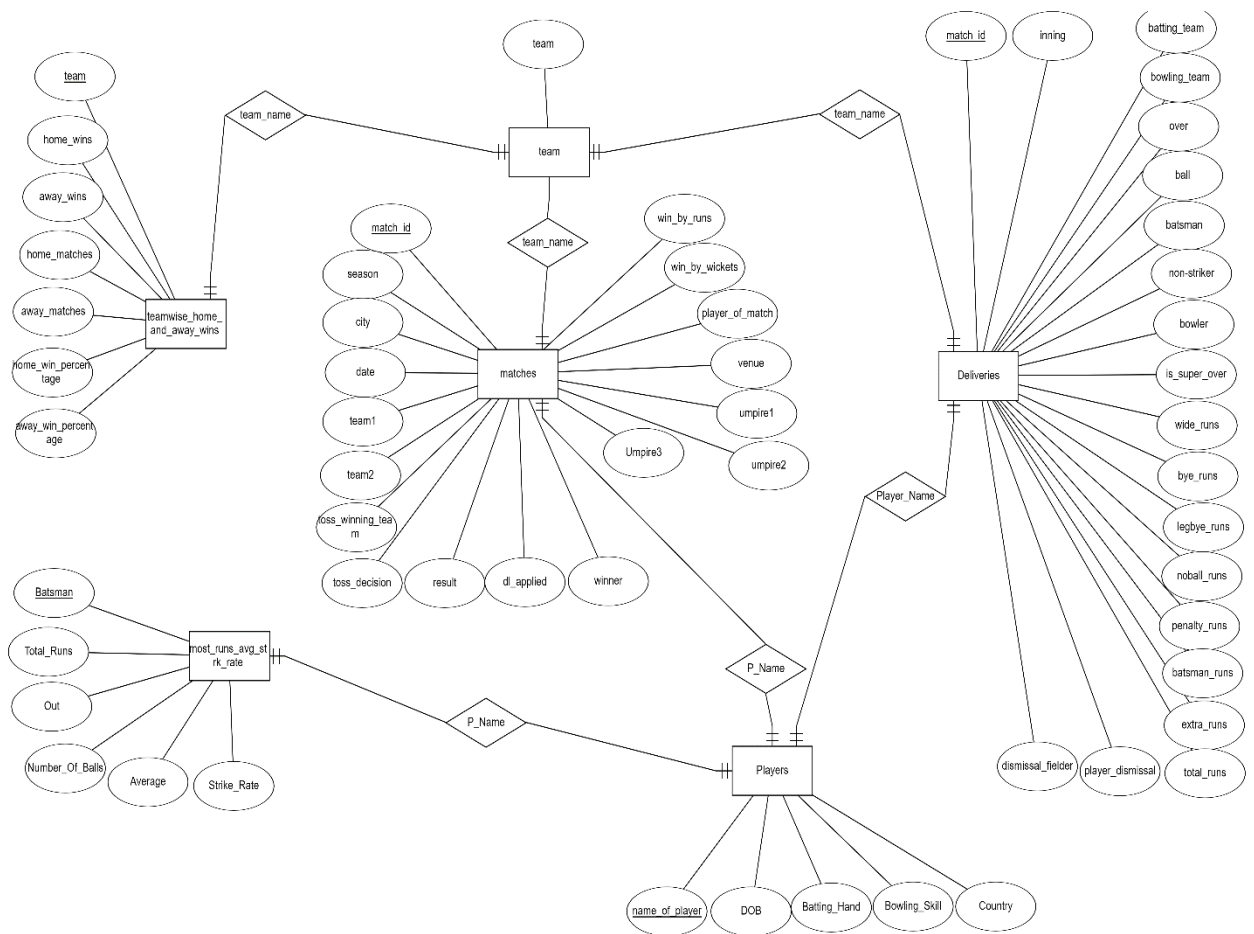
- 1) Deliveries
- 2) Matches
- 3) Most\_runs\_average\_strikerate
- 4) Players
- 5) Teams
- 6) Teamwise\_home\_and\_away\_wins

These tables are majorly connected through these two attributes:-

- 1) Team name
- 2) Player\_name

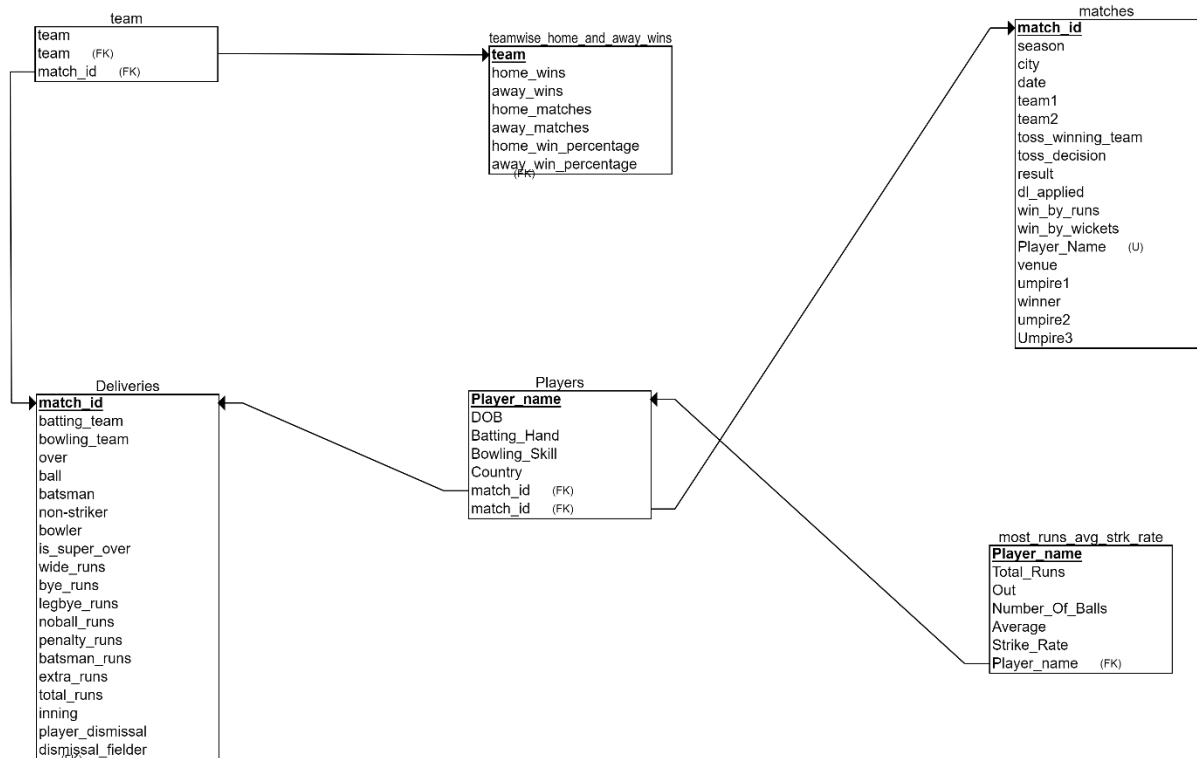
These two attributes form unique combinations which can be used to access all the information in all the tables given above

This can be seen from the ER diagram given below: -



The ER diagram identifies all the relationships between the tables.

The relational schema for the tables is given below: -



In the relational schema, the primary keys are underlined and the Foreign keys are marked as (FK) in the tables.

The different relations can also be seen through the arrows directed from and to the connecting and connected tables.