IPL Project

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- Have a look at the IPL_Ball_by_Ball_2008_2022.csv file
- This data contains

  - ID
  - innings
  - Overs
  - ballnumber
  - batter
  - bowler
  - non-striker
  - extra_type
  - batsman_run
  - extras_run
  - total_run
  - non_boundary
  - isWicketDelivery
  - player_out
  - kind
  - fielders_involved
  - BattingTeam

- Percentage of wins of each team
- Which venue provided more victory to first batting
- List out the most consistent batsman
- List out the most consistent bowler
- List out the most consistent batsman of each team
- List out the most consistent bowler of each team
- List out the most consistent batsman of each league
- List out the most consistent bowler of each league
- Predict the winning team with the consistency of wins and ball
- Most valuable player of every season

- List out the most extra balls delivered bowler
- List out the most extra balls delivered team
- List out the batsman who was out mostly by caught
- List out the batsman who was out mostly by LBW
- List out the batsman who hit more boundaries
- List out the batsman who hit more 4s
- List out the pair of batsman who scored more 3's

- Assume that you are creating an IPL team say DSPL, how do you shuffle the existing team in such a way you get 4 batsman, 4 bowlers, 2 all rounder, 1 wicket keeper, they could win the final cup.
- Provide your strategy for selecting based on the database. (No personal choices should be here).

- If you are assigned to provide an analysis of this dataset and provide input for 2024 IPL matches, what information would you provide?
- Create 5 problem statements and provide the answer for the same

- Have a look at the IPLandT20.zip file
- This data contains player information
- It has the 39 fields
  - Name of Player
  - Team
  - Type of Player
  - Value in Croroes
  - Full name
  - Born
  - Age
  - Nationality
  - Batting Style
  - etc

- For each file (IPL and T20)
  - List out the batsman who made more 6's
  - List the batsman who made more 100's
  - List batsman based on their score
  - List batsman who has scored worst
  - List batsman whose values based on crores
  - List the youngest batsman and eldest batsman
  - List out all Indian batsman those are right handed
  - List out all England batsman who scored the highest score

- For each file (IPL and T20)
  - List out the bowler who made more wickets
  - List the player who made more maiden overs
  - List bowler based on their number of runs conceded
  - List bowler who has worst bowling average
  - List bowler whose values based on crores
  - List the youngest bowlder and eldest bowler
  - List out all South African Bowler those are off-break
  - List out all England batsman who scored the highest score

- Assume that you are creating an IPL team say DSPL, how do you shuffle the existing team in such a way that the total team budget is not exceeding 100 crores and then you get 4 batsman, 4 bowlers, 2 all rounder, 1 wicket keeper, they could win the final cup.
- Provide your strategy for selecting based on the database. (No personal choices should be here).