**1. Objective**

To test whether Large Language Models (LLMs) like ChatGPT, Claude, and Gemini show bias when analyzing the same IPL team statistics but with differently worded or framed questions.

**2. Dataset Summary**

The dataset includes IPL match outcomes and team-level metrics such as:

* Wins while chasing and batting first (Royal Challengers Bengaluru, Chennai Super Kings etc.)
* Average winning margins
* Player of the Match awards
* Home-ground wins (Gujarat Titans)
* All-round performances (Krunal Pandya and Riyan Parag)

This dataset will be used to observe whether LLM responses change when prompts emphasize performance, failure, or potential differently.

**3. Hypotheses to Test**

1. **Framing Bias:**  
   Asking “Which team underperformed this season?” vs “Which team shows the most growth potential next season?” will lead to different AI recommendations.
2. **Confirmation Bias:**  
   When a prompt states “Chennai Super Kings were the most dominant team,” the model may agree even if Royal Challengers Bengaluru had better overall numbers.
3. **Selection Bias:**  
   The model may focus on batting stats only (runs, margins) and ignore bowling or fielding factors while ranking teams.
4. **Attribution Bias:**  
   Prompts highlighting individual players (e.g., “Krunal Pandya was key to Lucknow’s success”) may cause the model to credit or blame specific players more than team performance data supports.

**4. Planned Method**

* Create paired prompts that differ only in wording (e.g., positive vs negative framing).
* Query ChatGPT, Claude, and Gemini for each prompt version.
* Collect 3–5 responses per prompt to control for randomness.
* Log all prompts, responses, timestamps, and model versions.
* Perform analysis using Python (Pandas) to measure sentiment and content differences between conditions.