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League Design, Competitive Balance, and Economics: A Comparative Study of IPL and MLB

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Abstract

This study compares the Indian Premier League (IPL) and Major League Baseball (MLB) from 2008-2024 to see how league design shapes both competition on the field and money off it. This paper builds a simple model that contrasts the IPL's hard salary cap, annual player auction, and short season with MLB's soft cap, long-term contracts, and 162-game schedule. These findings then evaluate the model against data on competitive balance and conduct empirical analysis regarding attendance, media audiences, and franchise values. These findings reveal that the IPL's strict cost controls and frequent talent reshuffling create tighter races and faster growth in fan interest and media rights, while MLB's looser rules yield moderate parity and slower economic gains. These findings support the idea that uncertainty of outcome drives demand, but also show that smart management can still produce repeat champions even in a tightly regulated league. The paper ends with policy suggestions for league officials, team owners, and investors.

Keywords: *Indian Premier League (IPL); Major League Baseball (MLB); Salary Cap; Player Auction; Competitive Balance; Attendance; Media Rights; Franchise Valuation*

Introduction

Professional sports leagues strive to balance on-field competition with off-field economics. This balance is particularly interesting when comparing a young, fast-growing league like India's IPL (founded 2008) with a longstanding league like MLB (founded 1876), since economic motivations and context has evolved significantly. Since 2008, both leagues have undergone significant changes: the IPL from a newfound league to one with global reach and MLB adapting to new competitive structures. Understanding their evolution matters because competitive balance can influence fan interest, league structure, and the economic impact. By analyzing the modern, current period, we capture the IPL's entire history alongside a recent era of MLB characterized by debates over parity and profitability.

Competitive balance refers to how evenly teams in a league are matched in terms of wins and championships. A perfectly balanced league would have each team winning an equal share of games and titles over time, whereas an imbalanced league is dominated by a few strong teams. Competitive balance is believed to drive what economist Walter Neale termed the 'league standing effect' (Neale, 1964) - the idea that when more teams have a realistic chance to succeed, fan interest increases across the league. In other words, uncertainty of outcomes keeps spectators engaged.

The uncertainty of outcomes (UOH) holds that spectator demand rises as outcome uncertainty increases. Neale described this as the league standing effect - fan interest across the league is greater when standings are tight and many teams remain in contention. This idea motivates our focus on competitive balance as a driver of demand. This paper measures competitive balance across different phases: regular season, playoffs, and championships.

League structure refers to the design and rules that govern competition and talent distribution. Key structural elements include player signing policies, spending regulations, season length, playoff format, and revenue-sharing arrangements. The IPL's structure was deliberately engineered for parity; it uses a player auction with a firm team salary cap each season, and a short 14-match league stage. MLB, in contrast, operates with longer schedules (162 games) and no true salary cap,

reflecting the economic incentives at its founding, where revenue was driven significantly by local economies and gate-ticketing. These differences provide a natural experiment in how contrastive league design can affect both competitive outcomes and financial results.

Economic impact is associated with the business side of the leagues: attendance at games, television and digital viewership, media rights deals, sponsorships, and franchise valuations. From 2008 to 2024, the IPL transformed into a commercial powerhouse with massive TV audiences in India and global sponsorships, while MLB expanded using modern principles leveraging its established American fan base and historical franchises We consider metrics like total season attendance, TV viewership numbers, media rights value per match, and team valuation growth to compare economic trajectories.

This study addresses the following research questions:

1. Which structural mechanisms might explain differences in competitive balance and economics between the IPL and MLB?
2. Has the IPL been more competitively balanced than MLB since 2008, and how has balance evolved in each league?
3. Does competitive balance (or lack thereof) correlate with fan demand and financial growth in the two leagues?

This paper hypothesizes that the IPL will show greater improvements in parity over time than MLB and that the IPL's higher uncertainty of outcomes has contributed to its explosive audience growth. Conversely, we expect MLB's long season and uneven payroll spending to cause a modest decline in competitive balance, offset by adjustments like expanded playoffs. Additionally, it is further hypothesized that both leagues strive for the uncertainty of outcome hypothesis such that fans become more engaged when results are less predictable, although through different mechanisms. The rest of the paper is organized as follows: a review of relevant literature in Section 2 on sports league competition and fan demand; a presentation of a theoretic model codifying characteristic features in Section 3; and a description of our empirical methods, data, and results in Section 4. Section 5 concludes this discussion, and section 6 presents recommendations and section 7 proposes directions for future research work.

Literature Review

Sports economists have examined competitive balance and its importance for league success. Early theoretical work established that unlike ordinary businesses, sports leagues need a degree of parity to remain viable (Neale, 1964; Rottenberg, 1956). Neale's seminal paper, The Peculiar Economics of Professional Sports, introduced the idea that if competition becomes too lopsided, fan interest in both dominant and weak teams will wane - called the 'league standing effect'. He implies that frequent lead changes and uncertainty throughout the season drive spectator interest and attendance and argues that sports are a joint product: teams must cooperate to some extent to create uncertainty in outcomes, as a completely predictable league (e.g. where one team always wins easily) would see public interest decline. This early insight underpins the modern Uncertainty of Outcome Hypothesis (UOH), the proposition that fans are drawn to games whose outcomes are uncertain.

Since Neale, many scholars have tested the UOH empirically. For instance, subsequent research (Schmidt & Berri, 2001) found MLB attendance rose when win-percentage inequality narrowed, while others (Paul et al., 2011) showed NFL TV audiences increased when games were predicted to be close. By contrast, some studies suggest the relationship is weaker or context-dependent, highlighting that UOH may apply more strongly to certain fan behaviors (e.g., broadcast audiences) than others.

Subsequent research has attempted to measure competitive balance and test its relationship with consumer demand. In an empirical study of MLB examining the historical dispersion of team winning percentages and its effect on MLB attendance found that the late 1990s were among the most competitively balanced periods in MLB, contrary to media narratives of a big-market dominance at that time (Schmidt & Berri, 2001). Using the standard deviation of win percentages as an index, the 1990s had lower dispersion than many earlier decades. Furthermore, their econometric analysis indicated that attendance was positively associated with greater competitive balance. In other words, when the spread in team performance narrowed, more fans came out to the ballpark.

Quantitatively, they estimated roughly a 7% increase in attendance for every 10% reduction in win-percentage inequality. This result supported the notion that fans respond to a more level playing field, although the effect size was modest. It suggested that while die-hard fans will support their team win or lose, having more teams in playoff contention late in the season boosts league-wide attendance. Other studies similarly used Gini coefficients and other inequality metrics to quantify balance. These works provide further support for the practice of tracking competitive balance over time as a key performance indicator for leagues (Butler, 1995; Quirk & Fort, 1997).

On the demand side, evidence for the UOH is mixed but generally indicates fans prefer some uncertainty, especially for broadcast viewership. For example, an analysis of television ratings for NFL Monday Night Football and found that games with higher ex-ante uncertainty (proxied by closer betting lines and teams of roughly equal strength) attracted significantly higher TV ratings (Paul et al., 2011). Controlling for team popularity and market size, a one standard deviation increase in game uncertainty led to a several percentage point increase in viewership. This suggests that neutral fans are more likely to tune in when a game is expected to be competitive, supporting UOH. Similarly, another study in the context of German soccer found that unpredictability in match scores boosted TV audience sizes (Schreyer & Torgler, 2018). However, not all forms of uncertainty boost demand: extremely low scoring or consistently unpredictable standings can also alienate fans if they cannot identify any top teams or rivalries. The literature points to an optimal level of competitive balance: fans appreciate dominance to an extent (marquee dynasties can draw big audiences), but too much dominance by one or two teams for too long will erode the fan base of other teams (El-Hodiri & Quirk, 1971).

In the context of cricket and the IPL, academic research is more nascent. A recent analysis specifically compared competitive balance across T20 cricket leagues (Borooah, 2023). In this paper, the

authors computed Gini coefficients of season points for the IPL and other cricket leagues and found that the IPL exhibited the highest competitive balance among them. The IPL's average within-season Gini coefficient was 0.148 over 2008-2020, indicating a fairly equitable distribution of wins, and this parity improved over time - the IPL's Gini fell from 0.219 in 2008 to just 0.076 by 2020. In practical terms, by 2020 almost every IPL team won between 40% and 60% of their matches, a remarkably narrow range.

This parity is attributed to the IPL's structural features (e.g. regular player auctions and team spending caps) that redistribute talent. He contrasted this with MLB, where typical season win percentages range from 0.4 at the bottom (40% wins) to 0.6+ at the top (60%+ wins), implying a higher inequality (MLB season Gini around 0.20 in many cases). On the other hand, Borooah noted the spread of championships: in the IPL, 7 different franchises won the title in the 17 seasons from 2008 to 2024, whereas in MLB 12 different clubs won the World Series in the 16 seasons from 2008 to 2023. This suggests that MLB's postseason format produces more variety in champions despite greater regular-season imbalance, an interesting dynamic also observed by Humphreys (2002) in baseball.

Why might the IPL achieve high parity while MLB struggles? Some analytic models of sports leagues show that without intervention, richer teams will tend to outbid poorer teams for talent, leading to competitive imbalance (Quirk & Fort, 1997). In a free-market setting, teams in larger markets or with deeper pockets can acquire more star players, which translates into more wins, a situation long evident in MLB where teams like the New York Yankees historically stacked talent. They argue for mechanisms like revenue sharing or salary caps to counteract this tendency. Extending this in 1997,they document how leagues implement policies to sustain uncertainty of outcome. In particular, they attributed the collapse of the All-American Football Conference in the 1940s to a lack of competitive balance where one team's dominance led to fan disinterest and the league's demise. Other papers further describe sports leagues as 'natural oligopolies' that require internal cross-subsidization (sharing resources between teams) to ensure all teams remain viable competitors (Vrooman, 1995).

Within this literature context, the research gap that our study fills is a direct comparative analysis of a cricket league (IPL) and a North American league (MLB) over a similar timeframe. While numerous studies have examined competitive balance in baseball and in soccer leagues, few (if any) have quantitatively compared an American league to a non-American league like the IPL on balance and economics. The IPL's unique format - a short tournament with playoffs and an auction-based team construction - provides a fresh test bed for theories largely developed from baseball and football. Additionally, prior studies on the IPL's economics have been limited; most literature on franchise valuations or media impact in sports focuses on U.S. leagues. By synthesizing findings from previous studies and applying them to a new model and modern data from 2008-2024, this paper aims to extend the understanding of how league design choices influence competitive balance and how, in turn, competitive balance can affect fan engagement and financial outcomes.

Theoretical Model

To understand the differences in competitive balance and economics between MLB and the IPL, this paper develops a stylized theoretical model capturing each league's incentive structure. By formalizing how teams in an MLB-like league and an IPL-like league would make payroll and team structuring decisions under their respective constraints, this paper incorporates key mechanism differences (e.g. drafts vs. auctions, soft vs. hard salary caps). This framework reflects each league's characteristics, from season length to revenue sharing and allows us to examine how those factors drive competitive outcomes. At a high level, we assume that each team owner is assumed to maximize profits, but the profit functions and constraints differ importantly between MLB and IPL contexts, as detailed below.

Profit Objectives and Constraints

Across both leagues, team i chooses a total payroll (i.e., total player investment) to maximize expected profit Πi given a relationship between winning and revenue. A team's revenue is modeled as a concave function of its win percentage, Ri(Wi), reflecting diminishing marginal returns to wins. Intuitively, going from mediocre to good yields a big jump in fan interest and revenue, but pushing from great to historically dominant yields smaller incremental gains. By using a simple functional form: $R_i(W_i) = M_i \cdot W^{\alpha}$, where $0 < \alpha < 1$ captures revenue concavity and Mi represents the team's market size or local revenue potential. A smaller α means quickly tapering returns to additional wins (consistent with the uncertainty-of-outcome hypothesis), and a larger Mi means a richer market that generates more revenue per win (e.g. major metropolises). With this setup, the profit-maximizing spending level occurs where the marginal revenue of an extra win (which declines as Wi rises) equals the marginal cost (players' salary and any associated league fees).

MLB: Soft Cap with Luxury Tax

MLB teams face an effectively 'soft' salary cap: there is a payroll threshold K above which a luxury tax T (wi) is imposed, but no absolute spending limit. Formally, an MLB team chooses payroll wi to maximize profit:

$$\max_{w_i} \Pi_i^{MLB} = R_i(W_i) - w_i - T(w_i)$$

Where T (wi) is zero if $w_i \leq K$ and rises steeply once the payroll crosses K. In reality, T (wi) is a progressive tax: for example, a first-time offender pays a 20% tax on the overage above K, with higher rates (30%, 50%, etc.) for repeat or extreme over-spenders. By incorporating T (wi) as an increasing convex function beyond K, reflecting the MLB's Competitive Balance Tax rules. The result is that even the wealthiest clubs face financial disincentives to maximally increase payroll. A large-market team (with high Mi) will spend more on talent than a small-market team, but the combination of concave revenue and luxury taxes eventually yields an implicit, soft cap on practical spending. Unlike a hard cap, this limit is self-enforcing: at some point, extra talent costs more (in salary and tax) than the additional wins are worth in revenue, so spending levels off. Notably, MLB teams also benefit from varying market sizes (Mi varies widely) - a New York or Los Angeles franchise can earn far more from each win than a small market team.

This means MLB's competitive balance hinges on both market disparities and the soft cap: big-market teams can outspend others up to a point, but they are restrained by diminishing returns and taxes.

IPL: Hard Cap and Central Revenue Sharing

IPL teams, by contrast, operate under a strict hard salary cap C and a relatively uniform revenue structure. Each franchise has the same fixed budget per season which they cannot exceed, and local revenue opportunities are limited since the bulk of league income (media rights, etc.) is shared centrally and equally. In our model, all IPL teams are given a similar market factor Mi to reflect this high revenue sharing and the smaller effect of local market variance. Thus, win-related revenue Ri(W) is fairly 'flat' - wins do not dramatically boost one team's income relative to another. Therefore, an IPL team's optimization can be written as:

$$\max_{w_i} \Pi_i^{IPL} = R_i^{\text{local}}(W_i) - w_i, \quad \text{s.t. } w_i \leq C,$$

Where the budget constraint $w_i \leq C$ is binding for all teams. Because extra spending has relatively little marginal payoff in the IPL's revenue structure, a purely profit-maximizing owner might choose to underspend, using only a fraction of the cap if the last dollars don't pay off in wins. In fact, our calibrated

model suggests that the optimal payroll could be less than the cap, which indeed reflects empiric patterns in the IPL. Further, the hard cap perfectly level-sets spending power: no owner, not even the most ambitious or independently wealthy, can exceed C. This enforces parity on the cost side and shifts the competition to how efficiently teams use their equal resources.

Talent Acquisition and Retention Mechanisms

Beyond spending rules, the leagues differ in how talent is allocated and retained, which this paper seeks to capture in our theoretical framework as well. MLB is a closed league with long-term player control mechanisms, whereas the IPL is a shorter-term open market each season.

In the MLB, new talent enters via an amateur draft: teams with worse records get first pick of top incoming young prospects, providing a talent influx to struggling franchises. Once players are in MLB, service time rules allow teams to retain players, typically for up to six years before free agency. Thus, a star player is usually tied to one team for several prime years at a cost potentially far below open-market value, and only after this period can they sign elsewhere as a free agent. Our model approximates these rules by allowing each MLB team to hold onto its young, drafted talent for multiple seasons at controlled salaries, and periodically introducing a class of free agents who can be bid on by any team. Big-market teams, with their higher Mi, often outbid others for top free agents, while small-market teams must build through the draft and player development. This paper abstracts away some complexities (like mid-season trades), but the overall net effect is that MLB has a mixed talent distribution system: initially talent is spread inversely to performance (via the draft helping weaker teams), but over time talent can flow to richer teams willing to spend (via free agency), all damped by the luxury tax that discourages extreme talent hoarding. This aligns with observed MLB patterns; some payroll disparity and a modest concentration of stars on big teams, but not so much that small-market underdogs never have a chance.

The IPL uses a very different talent allocation approach geared toward annual parity. Each season, all players (with a few exceptions) return to a common auction pool, and each team rebuilds most of its roster by bidding within the same budget C. There is no amateur draft. Instead, incoming players or those not retained simply go to the highest bidder in the auction. This gives every team an equal shot at signing most players, since all have approximately equal wallets. However, the IPL does allow a limited form of continuity via player retention: before the auction, a franchise may retain a small number of its previous season's players by paying a set fee for each, which is deducted from its auction purse. For example, a team might be permitted to retain up to 4 players, but doing so reduces the money they have left to spend on new players. This model represents this with a retention fraction ρ: a team can carry over up to $\rho \cdot C$ worth of talent from its old roster, and the remaining $(1 - \rho)$ C is available for the auction. In practice, if $\rho = 0.2$ (20%), a team with a full

$12mn (Rs.100 crore) cap could keep $2.5mn (Rs.20 crore) worth of players (perhaps 2-3 stars) and enter the auction with $10mn (Rs.80) crore for the rest. All un-retained players go into the auction pool, where teams bid competitively until their budgets are exhausted. This system, with equal budgets and limited retention, tends to spread talent relatively evenly: no team can buy up all the top players because of the fixed cap, and even a successful team that keeps a strong core will have much less money to chase other stars. Additionally, the IPL periodically has mega-auctions where essentially all contracts reset, forcing even the most dominant rosters back into the pool. These mechanisms prevent long-term dynasties - a champion team can only hold a fraction of its roster, and over a few seasons much of the talent circulates to other teams.

In summary, the IPL's talent market is a high-churn, high-parity design: every team starts each season with roughly equal resources, and any advantages are transient because the auction and low ρ quickly redistribute talent.

Key Model Parameters

Futher, this paper highlights four parameters in the model which critically influence competitive outcomes: revenue concavity (α), season length, player talent variance, and retention rate (ρ), and discuss qualitatively how differences in these parameters between MLB and IPL drive differences in balance.

1. **Revenue Concavity (α):** The parameter α in Ri(W) = MiWα determines how sharply marginal returns to wins diminish. MLB is calibrated with a relatively low α (around 0.3), meaning that going from, say, a 50% to a 60% win rate yields a big revenue jump, but from 60% to 70% the jump is much smaller. This concavity discourages any one team from trying to win all of the games - beyond a certain win rate, the extra revenue doesn't justify the huge extra payroll needed. It thus promotes talent spreading: if Team A already has (say) a 0.65 win percentage caliber roster, it won't pay exorbitantly for another superstar who might only increase wins marginally (especially with a luxury tax), leaving that star for another team. In contrast, a higher α closer to 1 would imply nearly linear returns, which could incentivize super-team spending to maximize wins. In the IPL, revenue as a function of wins is much flatter and smaller in scale - effectively α could be near 1 but with Mi so low or equalized that the financial gain from additional wins is minimal. Thus, in the IPL context, even if revenue were roughly linear in wins, the hard cap is the primary limit on talent concentration, whereas in MLB it is the combination of revenue concavity and the soft cap that restrains any single-team dominance.

2. **Season Length (Games per Season):** The number of games L in a season affects how reliably team quality translates into results. MLB's 162-game marathon means that over such a long schedule, the best teams usually accumulate the most wins since there are many opportunities for true skill differences to realize. By contrast, the IPL's season (only 14 league matches in early years, expanded modestly to about 14-18 games per team more recently) is very short, introducing a lot more randomness in final records. Our model recovers this by having higher variance of standings outcomes in a shorter season. In a long season, a team that is, say, genuinely 10% stronger in talent than another will very likely finish with a better record (the law of large numbers applies, dampens randomness). In a short season, that weaker team might catch a few lucky breaks and end up tied or even ahead. Thus, a short schedule increases outcome uncertainty: it 'levels the field' in any given year by allowing under dogs to punch above their weight with few upsets. This difference is crucial for interpreting competitive balance: a league with a short season will exhibit more year-to-year parity in standings simply because luck plays a bigger role, while a long-season league will see more stratification by true team quality. However, as we will discuss, increased randomness also means postseason upsets are more likely, and a 'fluke' championship run can happen even if underlying balance is lower. MLB's long season ensures the regular-season standings are a good reflection of team strengths, but its postseason (a dozen teams in October playing short series) reintroduces a lot of randomness at the championship stage. The IPL, conversely, has its randomness in the regular season due to fewer games, and its playoffs, though short, involve only the top 4 teams. Indeed, this structure is reflected empirically, discussed in the next section.

3. **Player Talent Variance:** This represents how spread out the players are in ability. A higher variance means a few superstars are far above the average player. In our calibration, this paper sets a moderate variance (e.g. 0.2 in normalized units) consistent with real-world observation for leagues at the highest level of their sport. Talent variance is a double-edged sword for competitive balance: if variance is very low, teams are all composed of roughly interchangeable talent, leading to inherent parity; if variance is high, then acquiring even one or two of the top players can significantly boost a team's fortunes. In MLB, high talent variance can translate into big advantages if a rich team signs multiple stars. However, mechanisms like the draft and long-term

contracts buffer this - a superstar might be locked into one team that drafted and developed him, spreading out the star talent pool. In the IPL, very talented players are up for auction and could, in theory, all be bought by one team - but the hard budget cap prevents a single team from affording too many of them at market prices. Thus, even with some very high-variance talent (e.g. a few world-class players well above others), the IPL tends to distribute them across franchises. Our model experiments confirm that when institutional constraints are tight (hard cap, equal budgets), even a large increase in player talent variance does not yield as much team performance disparity. In contrast, if constraints are looser, high talent variance can lead to more imbalance.

4. **Retention Rate (ρ):** The parameter ρ in the IPL model controls what fraction of talent a team can carry over to the next season. It essentially measures roster continuity: a high ρ (close to 1) would mean teams can keep nearly all their players year-to-year (as in MLB's system of ongoing contracts), whereas a low ρ forces much more turnover (as in the IPL's frequent re-auctions). We set IPL's retention allowance to be quite low (around 20%), aligning with the real rule that only a handful of players can be retained and the rest re-enter the auction. MLB's effective ρ is much higher - teams commonly retain the majority of their core for many years (only losing a few free agents or making trades). The value of ρ profoundly affects multi-season competitive balance. In a high-retention league, a team that assembles a championship-caliber roster can keep that group intact for several seasons, potentially winning multiple titles (a dynasty) until age or free agency eventually breaks it up. In a low-retention league, even the best team is forced to reconstitute much of its roster frequently, giving other teams a chance to catch up sooner. Our model illustrates this: increasing ρ leads to greater concentration of talent and championships among a few teams, while reducing ρ (more turnover) yields more parity in the long run. The IPL's choice to keep ρ low (via small retention limits and periodic full reboots) is thus a deliberate parity-enhancing tool. MLB's higher continuity allows well-run or big-spending teams to sustain success, though other measures (luxury tax, draft) prevent permanence. These differences suggest that if the IPL allowed more retention, we might see longer-running dynasties, whereas if MLB had less retention (e.g. more frequent free agency for all players), its championship distribution might become even more spread out. Discussed in the next section, this paper will see how these theoretical mechanisms manifest in the actual data on competitive balance.

Empirical Analysis and Discussion

Having established how structural factors theoretically impact team behavior and competitive balance, this research now examines the actual empirical differences between the IPL and MLB (2008-2024) across two broad dimensions: Competitive Balance and Business Outcomes.

Competitive Balance

Regular-Season Dispersion

This study first compare within-season competitive balance using measures of win dispersion for each league. Table 1 reports the (scaled[1]) Gini coefficient of team win percentages for each season, as well as the standard deviation of win percentage, in the IPL and MLB from 2008 to 2024. A higher Gini or standard deviation signifies greater imbalance (i.e. larger gaps between top and bottom teams).

[1] Before comparing raw league-by-league Gini coefficients, this analysis adjust for season-length bias by scaling each Gini to a 162-game reference. Since random variance in win percentages shrinks with more games ($\sigma \approx 1/\sqrt{L}$),we multiply each IPL Gini by $(14/162)^{\sqrt{}} \approx 0.294$, while MLB values remain unchanged. This produces a fair 'apples-to-apples' measure of imbalance across the two leagues.

Table 1: Gini Coefficients (IPL scaled to MLB length) and Std.Dev of Win Percentage by Year (IPL vs. MLB, 2008-2024)

Year	IPL Gini*	MLB Gini	IPL Win % Std.Dev	MLB Win % Std.Dev
2008	0.064	0.077	0.183	0.073
2010	0.034	0.076	0.130	0.071
2014	0.060	0.067	0.163	0.061
2018	0.033	0.101	0.091	0.084
2020	0.022	0.104	0.066	0.089
2024	0.038	0.081	0.104	0.076
Avg. 2008-2024	**0.045**	**0.084**	**0.129**	**0.078**

Two clear patterns emerge. The IPL started with a much higher imbalance but achieved rapid parity gains in its early years, whereas MLB's balance remained relatively steady over the period. In the IPL's inaugural 2008 season, the win-percent Gini was 0.064. This reflects a wide gap where the top team won 11 of 14 games while the bottom team won only 2. However, by 2010 the IPL's Gini had plummeted to around 0.034, and throughout the 2010s it oscillated within a low range. The most balanced season was 2020, with a Gini of just 0.022, when all teams clustered closely (the first-place team had 7 wins and the last-place 6 wins in a 14-game season). This indicates that over time the IPL evolved into a league where any team could beat any other in a given year, a direct outcome of its design. Even post-2020, as the IPL expanded to 10 teams, the inequality remained low compared to its first years. In short, the IPL converged toward parity: after the initial few seasons, it became increasingly difficult for one team to dominate the standings year after year. MLB's Gini coefficients, by contrast, fluctuated in a tighter band, roughly between 0.07-0.11 most seasons. This level of imbalance is moderate and typical for MLB's 30-team league. For example, a Gini around 0.10 corresponds to a scenario where the best team might win around 100 games (62% win rate) and the worst wins around 60 games (37%) - a spread that has been fairly commonplace. MLB did see a slight uptick in imbalance in the late 2010s, peaking at Gini 0.110 in 2019. That year featured some extreme win-loss records (two teams exceeded 105 wins while others lost over 100 games), partly attributed to a few clubs deliberately rebuilding (tanking) while others went all-out. But by 2022-2024 the Gini fell back to 0.08 as some previously weak teams improved. Overall, there was no clear trend toward either significantly more or less parity in MLB - the metric oscillated around its historical norm. Notably, MLB's most balanced recent season was 2014 (Gini 0.067, when no team won more than 98 games and many were clustered in the middle). Its worst imbalance in this span, aside from 2019, was in the pandemic-shortened 2020 (Gini 0.104) which interestingly was a 60-game season - even a short MLB season produced some separation, as a top team like the Dodgers went 43-17. This underscores that MLB's fundamental parity level has been fairly stable, maintained by mechanisms like revenue sharing and the luxury tax that prevent extreme domination, but allows strong teams to persistently beat others. Therefore, the regular season data confirms our model's expectation in this paper: IPL's engineered equality (hard cap, auction) plus fewer games produced high year-to-year parity, whereas MLB's structure (soft cap, market size differences) yielded moderate, steady parity without a strong trend.

Playoffs Unpredictability

Competitive balance can also be considered in the postseason context - do the top teams usually win championships, or are playoffs a toss-up? Both the IPL and MLB in 2008-2024 exhibited a great deal of playoff randomness, though for somewhat different reasons. In the IPL, the league stage is so short and tightly bunched that the 'best' team is often not head-and-shoulders above the rest, and the playoffs are a brief knockout (four teams in a semifinal/final format, with one extra eliminator game for top seeds). Thus, upsets are common. Empirically, the IPL's top-seeded team won the championship only 5 out of 17

seasons (29%). In other words, more than two-thirds of the time, the title went to a team that did not finish first in the regular standings. Teams seeded 2nd, 3rd, or even 4th have won the IPL trophy multiple times.

For example, in 2009 the Deccan Chargers barely made the playoffs as the 4th place team but went on to win the championship. Similarly, Sunrisers Hyderabad won the 2016 IPL after finishing 3rd in the league stage. Even in very recent seasons, this pattern holds: in 2023, the Chennai Super Kings (2nd seed) defeated the Gujarat Titans (1st seed) in the final. These examples show how a short, momentum-driven tournament can produce surprise winners. The IPL playoff format (since 2011) does give the top two seeds a slight second chance via a qualifier system, but evidently that has not eliminated upsets.

MLB's postseason is even more of a free-for-all. By the late 2010s and early 2020s, MLB had expanded its playoffs to 10 teams (and briefly 16 in 2020, then 12 from 2022 onward), including multiple wildcards. World Series champions in 2008-2024 came from various seedings. A number of wild card teams (lower seeds) won the World Series or at least their league pennants.

For instance, in 2011 the St. Louis Cardinals won the title as a wild card, and in 2019 the Washington Nationals did the same. In 2022, the Philadelphia Phillies barely made the playoffs as the 6th seed and still reached the World Series (winning the National League pennant). Historically, even in earlier rounds, roughly 40-45% of playoff series (Division Series or League Championship Series) are won by the lower-seeded team. This aligns with the notion that in a short series (five or seven games), a hot underdog can beat a better team almost half the time. In our study period, there are multiple examples of dominant regular-season teams getting knocked out: the 2019 Dodgers won 106 games but didn't win the World Series, the 2021 Giants won 107 games but fell in the first round, etc.

Both leagues thus provide a high degree of postseason uncertainty. The IPL's route to unpredictabil- ity is via a volatile regular season (so the difference between a #1 and #4 seed may be slim) and then single-match eliminations, whereas MLB's route is a relatively stratified regular season followed by a large playoff tournament where even strong favorites face significant upset risk. From a fan perspective, this means every playoff race and tournament in both leagues had the potential for surprises - IPL fans know that simply making the top 4 gives their team a real shot at the trophy, and MLB fans have seen wild cards and underdogs go the distance frequently. These outcomes resonate with our model insights on randomness: IPL's shorter season inherently yields surprise finalists, while MLB's long season produces clear top teams that the playoff structure then 'randomizes' to some extent.

Championships Distribution

Another view of competitive balance is to see how titles are distributed across franchises. Sur-prisingly, despite the IPL's efforts to engineer parity, its championship hardware has been slightly more concentrated than MLB's in this period. From 2008 through 2024, the IPL held 17 seasons and crowned 7 different champions. However, two franchises - the Mumbai Indians (MI) and Chennai Super Kings (CSK) - account for 10 of the 17 titles (five each). These two teams, both from large markets with passionate fan bases and strong management, have been persistently strong contenders. Mumbai and Chennai frequently met in playoffs and finals, and their sustained success (especially from 2010 onward) stands out in an otherwise balanced league. The remaining titles were won by a handful of other teams: Kolkata Knight Riders (twice), and one each by Rajasthan, Deccan, Sunrisers Hyderabad, and the new Gujarat Titans (who won in 2022). Notably, no IPL franchise has won more than two championships consecutively, and new winners have continued to emerge over time. This suggests that while MI and CSK achieved something akin to mini-dynasties, the league's structure (especially the mega-auctions and low retention ρ) prevented permanent hegemonies. In fact, several of Mumbai and Chennai's title runs were interrupted by auction resets or the emergence of other strong teams, and even these top franchises have had the occasional off year. The pattern observed - a mix of repeated champions and periodic

surprises - reflects the balance between allowing excellence to be rewarded and ensuring opportunities for others. It aligns with our theoretical point that moderate retention (keeping a core set of players) can let a savvy team stay on top for a short run, but the system ultimately redistributes talent enough to prevent endless dominance.

MLB's championship distribution from 2008-2024 was quite broad. In 17 seasons (including 2020 which had a World Series despite a shortened year), there were 12 different World Series winners. No team won more than three titles in that span - the San Francisco Giants won three (2010, 2012, 2014), and no other club won more than two. Many traditionally strong franchises did win (e.g. Yankees in 2009, Red Sox in 2013 and 2018, Dodgers in 2020), but there were also first-time or long-awaited champions (the Kansas City Royals in 2015 after a 30-year drought, the Chicago Cubs in 2016 breaking a 108-year curse). A few teams won twice (Boston, maybe Houston if counting 2017 and 2022), but importantly, the majority of MLB franchises at least reached the World Series in this era; 18 different teams appeared in the final series as winner or runner-up. This indicates a high degree of opportunity: over half the league had a chance to play for the title in those years. Some franchises still never made it, but overall MLB saw a healthy rotation of contenders. Compared to the prior era (1995-2007) when a few teams like the Yankees appeared almost annually, the 2008-2024 period was more balanced in championship appearances. Expanded playoffs certainly played a role: more teams in October means more chances for different teams to catch fire and go all the way. From a theoretical lens, MLB's relatively high retention and market disparities could have led to more dynastic outcomes (and indeed the late 1990s Yankees were a dynasty), but the combination of luxury tax, expanded postseason, and perhaps the randomness inherent in baseball prevented any one or two teams from monopolizing the title in this timeframe. The fact that the big spenders (like the Yankees or Dodgers) did not dominate every year suggests that MLB's policies (revenue sharing, draft, tax) plus the expansion of the playoffs kept the playing field reasonably even at the championship level.

Meanwhile, the IPL's case - two teams capturing a majority of titles - might seem counter-intuitive given its strict parity measures. One possible explanation is that management and strategic excellence allowed MI and CSK to make the most of equal resources. With every team constrained to the same budget, the better-run organizations (in scouting, coaching, auction strategy) gained an edge and translated it into multiple championships. Another factor is simply timing and retention: Mumbai and Chennai managed to retain core players (within the allowed limits) who were extremely effective, enabling short bursts of dominance, whereas other teams underwent more churn. Our theoretical model would predict that low ρ limits dynasties, and indeed IPL dynasties were limited to at most a few years - which is exactly what is shown (no prolonged decade-long reign). In MLB, higher ρ could allow dynasties, but other equalizers intervened to produce a wide distribution of winners. In summary, both leagues show a considerable degree of between-season balance but the IPL had a slightly higher concentration of titles in two franchises, a nuance that underscores how even in a cap-and-auction system, consistent excellence can yield repeat champions.

League Business Outcomes

Competitive balance is often hypothesized to impact fan interest and the business side of sports. Here, the paper compares the IPL and MLB on key fan engagement metrics as well as financial outcomes like media rights and franchise valuations. These indicators reveal how each league's structure and competitive dynamics have translated into commercial success. By integrating the findings with interpretations of how uncertainty of outcome and league design, we see how fan and investor responses may be driven up.

Attendance Trends

MLB's attendance figures dwarf the IPL's in absolute terms due to sheer volume of games, but the trends over time tell an interesting story. In 2008, MLB drew about 78.6 million total fans across all teams (81 home games each for 30 teams). Over the next decade, MLB attendance experienced

a slow decline, slipping to 68.5 million by 2019. This decline (roughly -0.6% annually from 2008 to 2019) has been attributed to multiple factors: an aging core fan demographic, increased competition from other entertainment, and possibly frustration in some markets where teams were not competitive. The latter factor ties back to competitive balance - when a team is perpetually losing, local attendance tends to drop as casual fans lose interest. Indeed, in years where certain teams announced rebuilds, their gates fell significantly, affecting league totals. The COVID-19 pandemic then disrupted everything: 2020 saw essentially zero attendance (games with no fans), and 2021 had restricted crowds for part of the year. By 2022 and 2023, however, MLB attendance did rebound strongly (around 64.6 million in 2022 and 70.7 million in 2023) and 2024 was slightly above 71 million, approaching late-2000s levels (Baseball Reference, 2025). This recent uptick has been credited to rule changes that made the game faster and more exciting, and to expanded playoff races keeping more teams in contention (and thus fans engaged) into late season. In short, MLB's live attendance has been robust but stagnant over the long run; the league's traditional popularity endures, but growth in in-person viewership has been limited in a mature and digitalized U.S. market.

The IPL's attendance is on a completely different scale (only 14-16 games per team in early years, now 7 home games each for 10 teams). Total attendance for a full IPL season might reach only 1.5 to 3 million. For example, using rough figures, in 2019 with 60 matches, if average attendance was 30,000, the total would be around 1.8 million (The Big Chimp, 2025). In 2024, with an expanded schedule of 74 matches and some huge venues, total attendance was reported around 3.1 million. These numbers are tiny next to MLB, but the context is that stadiums in India are smaller and games fewer. Many IPL matches are sold out or near capacity; the league has had strong live support from the start, constrained more by venue sizes and ticket allocations than by demand.

More importantly, given the IPL's revenue model and primary location (in India), gate receipts are a smaller piece of the pie and broadcast money dominates, so there has been less emphasis on maximizing attendance. Still, franchises have cultivated loyal local fan bases who turn out in large numbers despite the short season. In sum, IPL attendance was high relative to available capacity and remained solid or growing, but its total attendance will always be a fraction of MLB's simply due to the league's format. From a competitive balance perspective, the IPL's broad parity means most teams each season are in the hunt, likely helping attendance remain strong across all venues. MLB's attendance, on the other hand, showed some negative impact from competitive imbalance in certain years (e.g. when a few teams lost 100+ games, their ballparks emptied out). The recent stabilization/improvement in MLB attendance coinciding with more teams getting a postseason shot (thanks to expanded playoffs) tangentially supports the idea that keeping more teams 'in it' drives fan engagement - a principle the IPL adopted from inception.

Digital Media Viewership

Television and streaming viewership paint an even more dramatic contrast between the leagues. The IPL has become a media phenomenon with audience numbers that eclipse those of any other domestic sports league in the world on a per-season basis. By 2019, the IPL's TV broadcast reached over 400 million unique viewers in India over the season (The Economic Times, 2019). The 2019 IPL final alone had around 18 million TV viewers on average (just in India; albeit the majority of views) (The Indian Express, 2019). With the rise of digital streaming, those numbers grew further: in 2023, the primary streaming partner reported over 500 million viewers over the course of the tournament (The

Economic Times, 2023), and in 2024 that number jumped to 620 million unique viewers (SportsPro, 2024). Essentially, more than half a billion people tuned into the IPL at some point each season, a reflection of cricket's immense following in the Indian subcontinent. The IPL's compact schedule creates a sense of a national festival - nearly the entire country's attention is captured in that window. For comparison, the NFL in the U.S. might reach 200 million unique viewers over its season (The Nielsen Company, 2012); the IPL is more than double in reach, despite being younger. This concentrated viewership translates into huge media rights deals, which the paper discusses shortly. It's worth noting that the IPL's unpredictability and superstar talent (spread across teams) likely fuel these TV numbers: fans nationwide have reasons to watch every match, not just their home team, because any team can feature exciting players and any match could be a potential playoff preview given the tight competition.

MLB's viewership is a more complex picture. It has heavy local TV followings but relatively lower national numbers for any given game. Over 162 games, a team's cumulative TV audience can be large, but games are frequent and routine, so single-game viewership is modest. Many local markets saw slight declines in TV ratings over the 2008-2024 period, as cord-cutting and aging demographics took a toll. Nationally, the MLB's marquee event, the World Series, saw its U.S. television viewership drop from an average of 17 million per game in 2011 (Sports Media Watch, 2011) to 11 million by 2020 (Beer, 2020). The 2022 World Series was especially low (around 12 million on average) (MLB.com, 2022), and while 2023 ticked up a bit, it was still under 10 million per game (Associated Press, 2023) (a low) partly because it featured smaller-market teams without a national following. Regular season national broadcasts (like Sunday Night Baseball) hover around 1-2 million viewers (ESPN Press Room, 2025), reflecting baseball's nature as regional daily entertainment rather than a must-see national event. To be fair, if one adds up all MLB games across a season, the total hours of viewership are enormous - but it's dispersed. The IPL, conversely, concentrates viewership into a limited number of matches, each of which is high-stakes and widely watched. The consequence is that per game, the IPL delivers an order of magnitude more viewers than MLB. From a competitive balance standpoint, one can argue that the IPL's structure (short season, every match is important, evenly matched teams with star players spread around) maximizes fan interest in each game. MLB's long grind means many games, especially late in the season for non-contenders, draw only diehard fans. However, MLB's expanded playoffs in 2022 (adding more teams) aimed to counteract that by keeping more fan bases invested deeper into the year. In summary, the IPL's viewership success underscores the synergy of engineered parity and scarcity of games, whereas MLB's viewership reflects its traditional model of huge aggregate engagement but lower per-game resonance. Nevertheless, both leagues are adapting: IPL by increasingly tapping digital and streaming platforms to reach younger fans, MLB by tweaking rules and format to inject more excitement.

Media Rights and Franchise Valuations

The stark difference in audience concentration is mirrored in media economics. The IPL's meteoric rise is best encapsulated by its broadcast rights values. In 2008, at launch, the BCCI sold the IPL's media rights for about $1 billion for a ten-year period (so, $100M per year) (Mehra, 2009). By the 2023-2027 cycle, the IPL secured an astronomical Rs.48,390 crore deal - approximately $6.2 billion (SportsPro, 2021). This equates to roughly $1.24 billion per year for 74 matches, or about $16.7 million per match. Each IPL game, lasting just 3-4 hours, is now worth as much in TV revenue as an entire season of some other sports leagues. In contrast, MLB's national TV deals (Fox, Turner, ESPN as of the early 2020s) bring in roughly $1.7-$1.8 billion per year (Associated Press, 2025; ESPN, 2025). But that covers 2,430 regular-season games plus playoffs. Even adding the value of all local regional sports network deals (roughly another $2-$3 billion collectively across teams (Cross Screen Media, 2022)), the revenue per MLB game comes out to only on the order of $1-2 million. The IPL, game-for-game, is about ten times more valuable in media terms. This is an incredible testament to the product the IPL has created: a combination of cricket's popularity in India, a format that generates do-or-die excitement in every match, and a league structure that has kept competition generally close, resulting in high fan engagement.

MLB's model is one of volume whereas the IPL is one of scarcity. In aggregate, MLB's annual league revenue ($10 billion pre-pandemic including all streams (Brown, 2023)) still exceeds the IPL's ($1.5-2 billion (Board of Control for Cricket in India (BCCI), 2023)) because MLB has so many more games and higher ticket revenue. But the growth trajectory of the IPL is far steeper.

These trends are reflected in franchise valuations. MLB franchises have been long-established assets with steady appreciation. From 2008 to 2024, the average MLB team value roughly tripled (e.g. from about $700M to about $2.1B), corresponding to a healthy 7-8% annual growth rate (BallParkBiz, 2013; Teitelbaum, 2025). The most valuable MLB clubs (Yankees, Dodgers) are valued over $5-7 billion, mid-market teams around $1-2 billion (Reuters, 2025). Key drivers of this value growth include rising national media deals (the 2014 and 2022 renewals brought big increases), growth in local TV contracts for many teams in the 2010s, and new revenue streams like MLB Advanced Media which turned digital rights into cash. Additionally, MLB clubs have benefited from ancillary real estate projects and the general inflation of sports assets as wealthy investors seek to buy in. The late 2010s saw some stagnation in MLB franchise value growth (as attendance dipped and local TV faced challenges), but by the early 2020s, with new investors (including private equity and foreign funds) entering sports, MLB valuations have picked up again. IPL franchises, despite being much newer, have seen explosive growth in value. At inception in 2008, teams were auctioned for around $90 million (Ozanian, 2022). By the early-to-mid 2010s, top teams were estimated in the few hundred million range. The real observable jump came with the 2022 media rights and league expansion: two new teams were added in 2022, each sold for $600-700 million (ANI, 2022; Moneycontrol News, 2021; Wisden, 2022). Soon after, the original franchises were being re-valued on the order of $1 billion each (Mumbai and Chennai reportedly in that ballpark by 2022) (PTI, 2022). By 2023, analysts suggested marquee teams are approaching $3 billion in value (Gupta & TNN, 2023), and the league as a whole was being valued around $10 billion or more (Farooqui & Bureau, 2023) (some reports even said $30 billion for all 10 teams plus the central rights). This implies an astonishing 10x growth (or 15-20% annual CAGR) in franchise values over 15 years - likely one of the fastest wealth creation stories in pro sports. The drivers are clear: massive increases in media revenue, a rapidly growing domestic economy with a huge consumer base, and untapped potential (the IPL is still expanding its season and considering moves like a second season or international expansion). Investors are extremely bullish on the IPL - even global firms and sovereign wealth funds have expressed interest in acquiring stakes, seeing it on par with leagues like the NFL given plenty of headroom for growth. By contrast, MLB, while still lucrative, operates in a mature market with more modest growth prospects.

In connecting these business outcomes back to competitive balance: the IPL's success suggests that a league which engineers parity and excitement can rapidly capture fan interest and translate it into financial gain. The uncertainty of each season's outcome, the distribution of star players across teams, and the spectacle of a relatively short, intense season have all likely contributed to ballooning viewership and, consequently, media rights value. MLB's long-term business strength has less to do directly with parity - it benefits from tradition, local loyalty built over a century, and being the premier baseball league in a wealthy country. However, MLB has faced concerns that if competitive imbalance grows (big markets dominating, or too many teams tanking), it could erode fan engagement and thus revenue. Indeed, some of the attendance and viewership declines in the 2010s were at least partly blamed on games becoming too slow/ long and on certain teams being noncompetitive. MLB responded with rule changes (to speed up play) and playoff expansion (to keep more teams competitive for longer). Those changes coincide with the recent positive bumps in fan metrics. This suggests that even in MLB, maintaining competitive balance (or at least the hope for each fanbase) is important for the sport's economic health - a principle the IPL embraced from day one. Both leagues show that ultimately, fan engagement drives value: the IPL did so by maximizing collective excitement, while MLB leverages deep-rooted loyalty and sheer volume of content. The convergence observed is fascinating: by 2024 the IPL and MLB are, in their own ways, both multi-billion dollar enterprises, each learning and adapting (the IPL adding a bit more continuity with retention, MLB borrowing parity ideas like luxury taxes) to balance competition and commerce.

Conclusion

This comparative study of the IPL and MLB from 2008 to 2024 reveals how two very different league structures can yield insights into competitive balance and economic outcomes. The IPL, essentially a startup league in 2008, deliberately baked in parity through rules and succeeded in creating a competition where on any given year any team can win. This high competitive balance coincided with extraordinary growth in its popularity and financial worth - reinforcing the idea that fans value uncertain, exciting contests. MLB, a venerable league with deeply rooted traditions, maintained a moderate level of balance, but its periods of imbalance and the dominance of a few teams in regular seasons did correspond with some fan discontent and calls for change. Yet MLB also showed that playoffs can level the field, providing the drama of underdogs and keeping the championship chase interesting despite entrenched regular-season dynamics. Economically, the IPL's success demonstrates the power of a franchise league model in an emerging market, while MLB's steady economics underscore the resilience of established sports institutions even when they are slower to adapt.

In answering our research questions: (1) Structural mechanisms like hard salary caps, player auctions, and shorter seasons clearly contributed to the IPL's higher parity, whereas MLB's combination of a soft cap, long season, and allowance for payroll disparities explains its more uneven outcomes. In short, structure matters: the IPL's design achieved what it set out to do in terms of parity, and MLB's design reflects a historical compromise between competition and free-market principles. (2) Yes, the IPL has been more competitively balanced than MLB in terms of within-season equality, especially after its initial years. (3) There is evidence that competitive balance (or lack thereof) affects business outcomes - the IPL's balanced competition coincided with massive fan engagement, whereas MLB's periods of imbalance likely dampened attendance in certain markets (though other factors also play roles).

Recommendations

For League Organizers

MLB's leadership should consider implementing stronger competitive balance measures. For instance, introducing a salary floor to ensure all teams field a relatively competitive payroll, and tightening the luxury tax to further deter extreme spending gaps. They could also explore scheduling tweaks, such as unbalanced schedules favoring more intra-division play late in the season to sustain fan excitement during playoff races. The IPL's organizers, on the other hand, should preserve the key parity mechanisms (cap and auction) even as the league grows. As the IPL contemplates expansion (more teams or matches), it should be cautious not to dilute the uncertainty that makes it appealing. One idea is to split the league into conferences if it grows beyond, say, 12 teams, to keep the number of matches per team manageable and maintain variability in results. Both leagues should continue to monitor competitive balance indicators annually as a barometer of league health.

For Teams and Management

In the IPL, team owners should recognize that with such high inherent parity, small advantages can make the difference - investing in youth development (even though players go to auction, franchises can still scout and target talent), sports science to keep players fit through the intense season, and clever auction strategy are crucial. In MLB, teams should balance between analytics-driven roster optimization and fan entertainment. While rebuilding is a valid strategy, teams must communicate a clear plan to fans to keep them engaged. Also, MLB teams can borrow ideas from the IPL in marketing - for example, emphasize local derbies or special event games to create a sense of occasion, thereby increasing interest even if the season is long.

For Media Partners

The IPL's media partners (like Viacom18 and Disney Star in India) can capitalize on the competitive balance by marketing every match as important - since genuinely any team might make the playoffs, every match has context. They should continue to tell the stories of underdog victories and new stars from lesser-known teams to sustain pan-Indian interest. For MLB's media partners (Fox, Turner, regional sports networks), a recommendation is to showcase the emerging competitive balance improvements - for instance, highlight when small-market teams do well, to reject the notion that 'it's always the Yankees/Dodgers'. Additionally, embracing new media (like streaming) and interactive broadcasts can attract younger fans who might find the traditional 3- hour baseball telecast less engaging. The data shows fans respond to excitement, so production elements that emphasize tension and drama can be used.

For Investors

The dramatic rise in IPL franchise values sends a clear signal to investors: emerging market sports leagues with a large fan base and competitive integrity can be extremely lucrative. Investors looking at sports should identify leagues that have the ingredients the IPL had, like a large untapped market,

short high-octane format, and competitive balance as high potential. For those involved in MLB (owners, shareholders of teams, etc.), the lesson is that slow and steady growth continues, but innovation could unlock new growth. Perhaps investors could push MLB to consider more radical changes (like a global MLB tournament or integrating international teams) to spark new interest. Another recommendation is for MLB teams to invest in their local communities and fan experience; even if the team is losing, ensuring the ballpark experience is fun can keep attendance up (a strategy some low-performing teams have successfully used).

Future Work

There are several avenues for further study. One idea is a deeper statistical analysis controlling for market sizes: for example, did the IPL truly neutralize market size advantages? A regression of team performance on city population or revenue could test that. Another extension is comparing player- level competitive balance: e.g., measure the distribution of top player performances or salaries across teams in both leagues. Additionally, as data becomes available, examining the social media and youth engagement differences between IPL and MLB could be insightful - MLB struggles with an aging audience while the IPL captures youth; understanding if competitive balance plays a role in attracting younger fans (perhaps young fans prefer unpredictable results?). From a business perspective, a case study on how sponsorship value correlates with team success in each league could be done - do more balanced leagues yield more equal sponsorship distribution among teams? Also, as the IPL matures, will it face pressure similar to MLB to allow more autonomy and spending for teams? Observing the next decade will be telling.

In conclusion, the IPL and MLB both illustrate the central thesis that competitive balance is not just a sporting ideal, but a sound business strategy. The IPL leaned heavily into that strategy and reaped huge rewards. MLB has maintained a middle path, and while successful, it has room to learn from the IPL's example. As sports continue to globalize, finding the sweet spot between meritocracy and uncertainty will be key to leagues' fortunes. We hope this comparative analysis serves as a useful reference for league officials, team owners, and scholars in understanding how rules on paper translate into results on the field and dollars in the bank.

References

ANI. (2022). Bidding for ipl media rights goes past rs 43,000 crore on day 1 [Accessed: 2025-07-25]. The Times of India. https://timesofindia.indiatimes.com/sports/cricket/ipl/top-stories/ bidding-for-ipl-tv-digital-rights-goes-past-rs-42000-crore/articleshow/92161932.cms.

Associated Press. (2023). World series averaged 9.11 million viewers, making it the least-watched fall classic in tv history [Accessed: 2025-07-25]. AP News. https://apnews.com/article/ f0eb9837a3d8bfa529fed811a6417057.

Associated Press. (2025). Espn and major league baseball to end their national television deal after2025 season [Accessed: 2025-07-25]. AP News. https://apnews.com/article/dda38df178c809c6aceb08fa748e.

BallParkBiz. (2013). Forbes releases 2013 mlb team valuations [Accessed: 2025-07-25]. https: //ballparkbiz.wordpress.com/2013/03/27/forbes-releases-2013-mlb-team-valuations/.

Baseball Reference. (2025). Major league miscellaneous year-by-year averages and totals [Ac-cessed: 2025-07-25]. https://www.baseball-reference.com/leagues/majors/misc.shtml.

Beer, T. (2020). 2020 world series breaks record for least-watched of all time [Accessed: 2025-07-25]. Forbes. https://www.forbes.com/sites/tommybeer/2020/10/29/2020-world-series- breaks-record-for-least-watched-of-all-time/.

Board of Control for Cricket in India (BCCI). (2023). Ipl 2023 boosts bcci's surplus to rs 5,120 crore [Accessed: 2025-07-25]. https://www.bcci.tv/articles/2023/ipl-2023-bcci-surplus- 5120-crore.

Borooah, V. (2023, October). Competitive balance (MPRA Paper No. 123259). University Library of Munich, Germany. https://doi.org/None.

Brown, M. (2023). Mlb sets new revenue record, exceeding $10.8 billion for 2022 [Accessed: 2025-07-25]. Forbes. https://www.forbes.com/sites/maurybrown/2023/01/10/mlb-sets-new- revenue-record-exceeding-108-billion-for-2022/.

Butler, M. R. (1995). Competitive balance in major league baseball. The American Economist, 39(2), 46–52. Retrieved July 25, 2025, from http://www.jstor.org/stable/25604039.

Cross Screen Media. (2022). Local tv and the changing economics of baseball [Accessed: 2025-07- 25]. CrossScreen.Media. https://crossscreen.media/state-of-the-screens/local-tv-and-the- changing-economics-of-baseball/.

El-Hodiri, M., & Quirk, J. (1971). An economic model of a professional sports league. Journal of Political Economy, 79(6), 1302–19. https://EconPapers.repec.org/RePEc:ucp:jpolec:v:79:y: 1971:i:6:p:1302-19.

ESPN. (2025). Espn, mlb to end broadcast partnership after 2025 season [Accessed: 2025-07-25]. ESPN.com. https://www.espn.com/mlb/story/_/id/43943678/espn-mlb-end-broadcast- partnership-2025-season.

ESPN Press Room. (2025). Espn's most-watched season of sunday night baseball presented by capital one in eight years (tech. rep.) (Accessed: 2025-07-25). ESPN Press Room. https://espnpressroom.com/us/press-releases/2025/06/espns-most-watched-season-of-sunday- night-baseball-presented-by-capital-one-in-eight-years/.

Farooqui, J., & Bureau, E. (2023). Ipl brand value rises 28% to $10.7 billion in 2023: Brand finance [Accessed: 2025-07-25]. The Economic Times. https://economictimes.indiatimes.com/news/ sports/ipl-brand-value-rises-28-to-10-7-billion-in-2023-brand-finance/articleshow/ 105967823.cms.

Gupta, G., & TNN. (2023). Ipl brand value reaches usd 3 billion: Houlihan lokey report [Accessed: 2025-07-25]. The Times of India. https://timesofindia.indiatimes.com/sports/cricket/ipl/top- stories / ipl - brand - value - reaches - usd - 3 - billion - houlihan - lokey - report / articleshow / 101642518.cms.

Mehra, P. (2009). Sony retains ipl rights, at a higher price [Accessed: 2025-07-25]. LiveMint. https://www.livemint.com/Home-Page/hRlouvWwfxvw9sPOR1dywM/Sony-retains-IPL- rights-at-a-higher-price.html.

MLB.com. (2022). 2022 world series tv ratings and viewership [Accessed: 2025-07-25]. MLB.com. https://www.mlb.com/news/2022-world-series-tv-ratings-and-viewership.

Moneycontrol News. (2021). Ipl new teams auction: Ahmedabad, lucknow to be new franchises [Accessed: 2025-07-25]. Moneycontrol. https://www.moneycontrol.com/news/trends/sports-trends/ipl-new-teams-auction-bid-submission-complete-verification-process-underway- in-dubai-7623481.html.

Neale, W. C. (1964). The peculiar economics of professional sports: A contribution to the theory of the firm in sporting competition and in market competition. The Quarterly Journal of Economics, 78(1), 1–14. Retrieved July 25, 2025, from http://www.jstor.org/stable/1880543 Ozanian, M. (2022). Indian premier league valuations: Cricket now has a place among world's most valuable sports teams [Accessed: 2025-07-25]. Forbes. https://www.forbes.com/sites/ mikeozanian/2022/04/26/indian-premier-league-valuations-cricket-now-has-a-place-among-worlds-most-valuable-sports-teams/.

Paul, R. J., Wachsman, Y., & Weinbach, A. P. (2011). The role of uncertainty of outcome and scoring in the determination of fan satisfaction in the nfl. Journal of Sports Economics, 12(2), 213–221. https://doi.org/10.1177/1527002510376789.

PTI. (2022). At $1.3 billion, mumbai indians most valuable team in ipl 2022: Forbes [Accessed: 2025-07-25]. Deccan Herald. https://www.deccanherald.com/sports/cricket/at-13-billion- mumbai-indians-most-valuable-team-in-ipl-2022-forbes-1104254.html.

Quirk, J. P., & Fort, R. D. (1997). Pay dirt : The business of professional team sports (Updated paperback edition.). Princeton University Press.

Reuters. (2025). Yankees, dodgers valued at combined 16b [Accessed: 2025-07-25]. Reuters. https://www.reuters.com/sports/yankees-dodgers-valued-combined-16b-2025-03-25/.

Rottenberg, S. (1956). The baseball players' labor market. Journal of Political Economy, 64(3). https://EconPapers.repec.org/RePEc:ucp:jpolec:v:64:y:1956:p:242.

Schmidt, M. B., & Berri, D. J. (2001). Competitive balance and attendance: The case of major league baseball. Journal of Sports Economics, 2(2), 145–167. https://doi.org/10.1177/ 152700250100200204.

Schreyer, D., & Torgler, B. (2018). On the role of race outcome uncertainty in the tv demand for formula 1 grands prix. Journal of Sports Economics, 19(2), 211–229. https://doi.org/10. 1177/1527002515626223.

Sports Media Watch. (2011). 2011 world series up from last year [Accessed: 2025-07-25]. Sports Media Watch. https://www.sportsmediawatch.com/2011/10/2011-world-series-up-from-last- year/.

SportsPro. (2021). Ipl broadcast rights fetch record us$6.2bn [Accessed: 2025-07-25]. SportsPro. https://www.sportspro.com/news/ipl-tv-streaming-rights-disney-star-viacom18-times- internet-india-t20-2027/.

SportsPro. (2024). Ipl 2024 scores 620m viewers for jiocinema [Accessed: 2025-07-25]. SportsPro. https://www.sportspro.com/news/ipl-2024-season-jiocinema-viacom-18-viewership- streaming/.

Teitelbaum, J. (2025). Baseball's most valuable teams 2025 [Accessed: 2025-07-25]. https://www.forbes.com/sites/justinteitelbaum/2025/03/26/baseballs-most-valuable-teams-2025/.

The Big Chimp. (2025). Ipl's massive viewership and revenue success [Accessed: 2025-07-25]. https://www.linkedin.com/posts/thebigchimp_crm-ipl-royalchallengersbengaluru-activity-7335655251527491584-lq1K.

The Economic Times. (2019). Ipl 2019 breaks viewership records [Accessed: 2025-07-25]. The Economic Times. https://m.economictimes.com/news/sports/ipl-2019-breaks-viewership-records/articleshow/69483861.cms.

The Economic Times. (2023). Disney star, jiocinema's ipl 2023 viewership fight ends with record numbers for both [Accessed: 2025-07-25]. The Economic Times. https://m.economictimes.com/industry/media/entertainment/media/disney-star-jiocinemas-ipl-2023-viewership- fight-ends-with-record-numbers-for-both/articleshow/100843590.cms.

The Indian Express. (2019). Hotstar reached record 18.6 million concurrent viewers during the ipl 2019 final [Accessed: 2025-07-25]. The Indian Express. https://indianexpress.com/article/sports/ipl/hotstar-viewing-record-ipl-2019-5727385/.

The Nielsen Company. (2012). Nfl, twitter partner to bring exclusive content to fans worldwide (tech. rep.) (Accessed: 2025-07-25). NFL.com. https://www.nfl.com/news/nfl-twitter- partner-to-bring-exclusive-content-to-fans-worldwid-0ap2000000250954.

Vrooman, J. C. (1995). A general theory of professional sports leagues. Southern Economic Journal, 61, 971–990. https://api.semanticscholar.org/CorpusID:154749521.

Wisden. (2022). Bigger than the epl: The ipl's record multi-billion dollar media rights deal, explained [Accessed: 2022-06-15]. Wisden. https://www.wisden.com/stories/magazine/bigger-than- the-epl-the-ipls-record-multi-billion-dollar-media-rights-deal-explained.

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