

Hobart Basketball

A Data Analysis Portfolio

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Included Reports:

1. Overall Success Summary (2019–2025)

- Comprehensive overview of win/loss statistics, home vs. away performance, and monthly performance metrics.

2. Statistical Identity (2019–2025)

- In-depth examination of Hobart Basketball's core tendencies and statistical identity, highlighting scoring, rebounding, and special category metrics.

3. Back-to-Back (B2B) Game Analysis (2019–2025)

- Analysis of performance in second-day back-to-back games, comparing B2B metrics against overall season averages.

4. Advanced Analytical Breakdown (2019–2025)

- Application of advanced basketball analytics, including Dean Oliver's Four Factors, shooting efficiency, ball security metrics, and special scoring category breakdowns.

This portfolio leverages detailed statistical analysis to uncover insights and provide strategic direction for Hobart Basketball.

Hobart Basketball Performance Summary (2019–2025)

Executive Summary

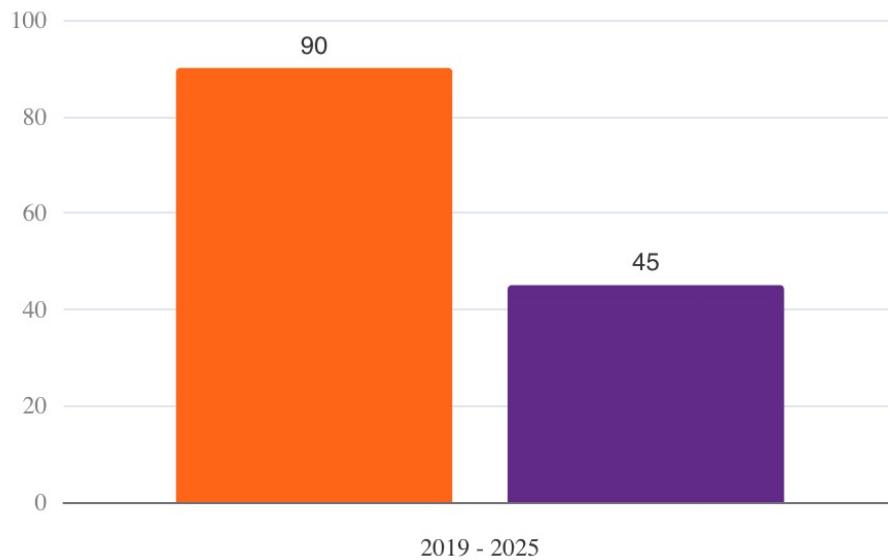
This chapter provides a visual and statistical overview of Hobart Basketball's team performance, spanning from the 2019 to 2025 seasons. This document focuses on wins/losses over the past 5 years, breaking down success both by month and opponent, and lastly identifying some efficiency measurables. These visuals highlight dominant home performances, month-by-month win percentages, and shooting efficiencies both by Hobart and their opponents. Insights are supported with graphics for clarity and professional presentation.

**These graphs were made with the assistance of TheBricks and ChatGPT*

1. Overall Record (2019–2025)

Overall Record (2019–2025)

■ Wins ■ Losses



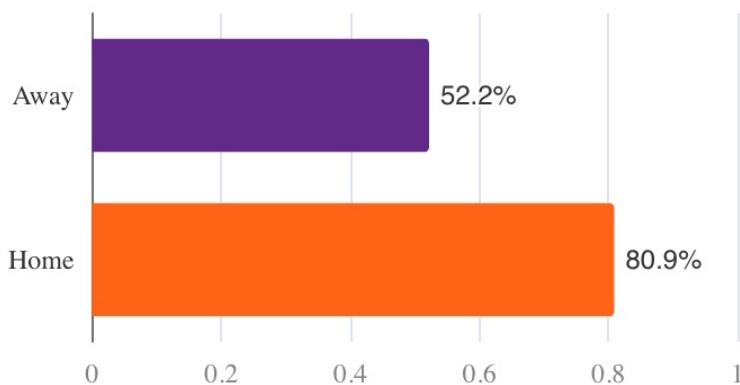
With a total of 135 games played from 2019 – 2025, The program accumulated 90 wins and 45 losses across six seasons, yielding a win percentage of 66.7%.



2. Home vs. Away Win %

Hobart Home/Away Win %

■ Win_%



A stark contrast between home and away games highlights a significant home-court advantage with an 80.9% home win rate.

**Away games = true away & neutral site contests*

3. Home Advantage

Part of the success at home can be attributed to the large attendance that Hobart receives. Over the last 5 years, Hobart has averaged 376 people for their games, compared to the 240 they see as an average on the road.



4. Conference vs. Non-Conference Win %

Game Type Win % (2019-2025)

■ Win_%

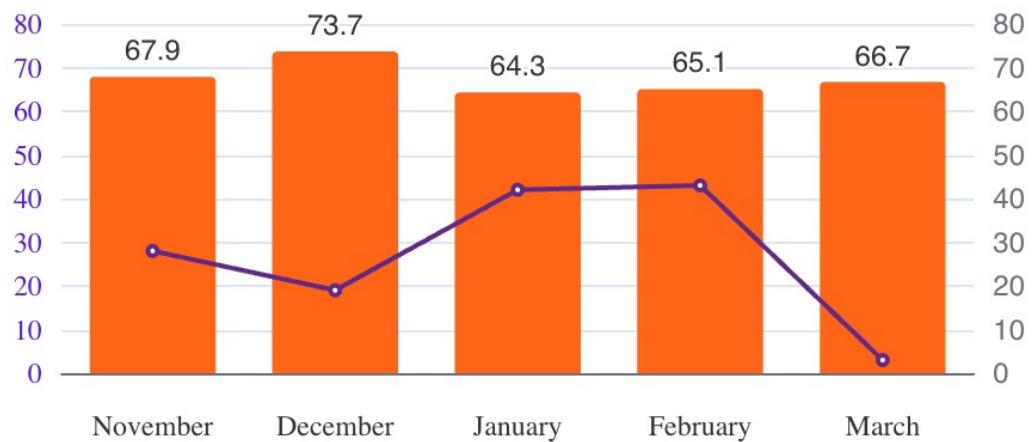


The team excelled in non-conference play with a 73.7% win rate compared to 63.9% in conference games.

5. Monthly Win % (2019–2025)

Hobart Monthly Win% (2019-2025)

■ Win_% ■ gp

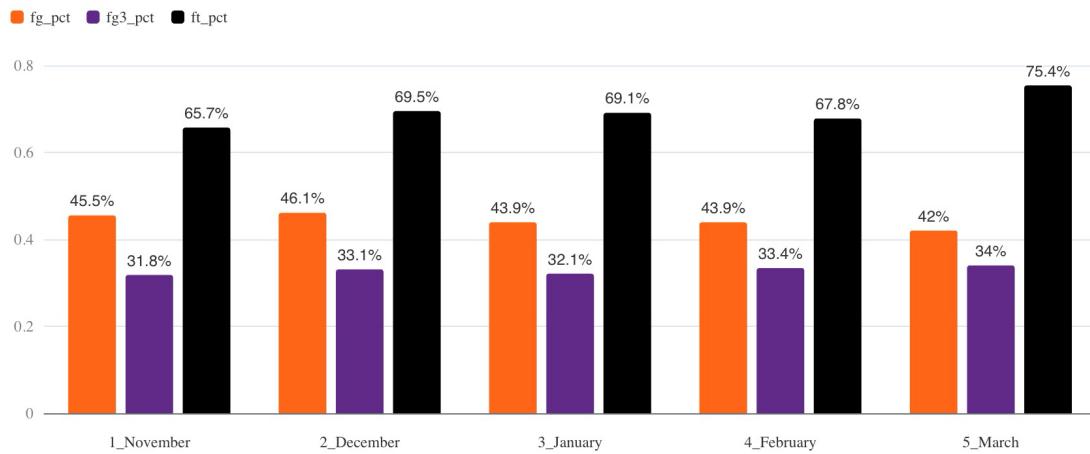


December shows a significantly higher win percentage (73.7%) compared to the next closest months, November and March.



6. Hobart Monthly Efficiency

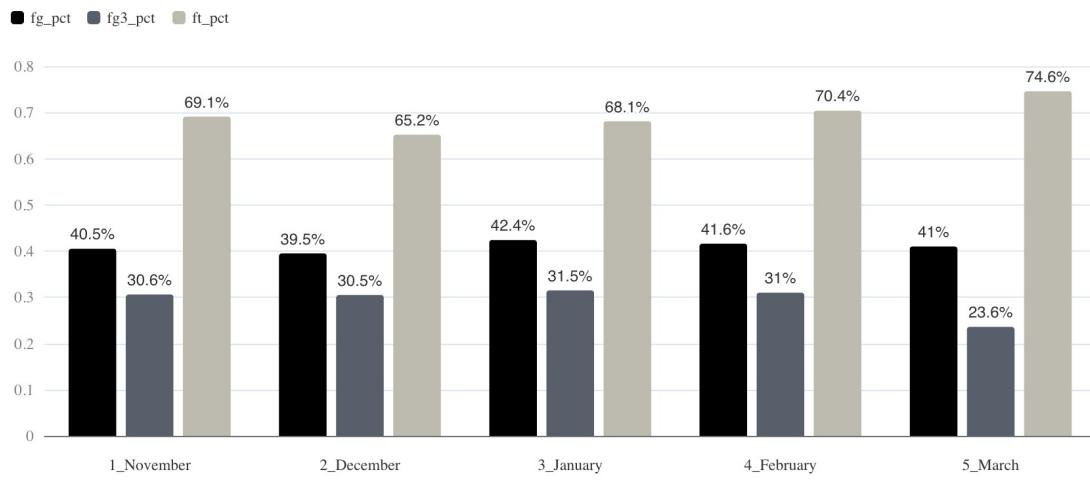
Hobart Monthly Efficiency (2019-2025)



This chart highlights Hobart's shooting trends by month, showing consistency in FG%, 3PT%, and FT% with a peak free throw percentage of 75.4% in March. Aligning with the monthly win percentage, December leads all months in FG% (46.1%).

7. Opponent Monthly Efficiency

Opp. Monthly Efficiency (2019-2025)

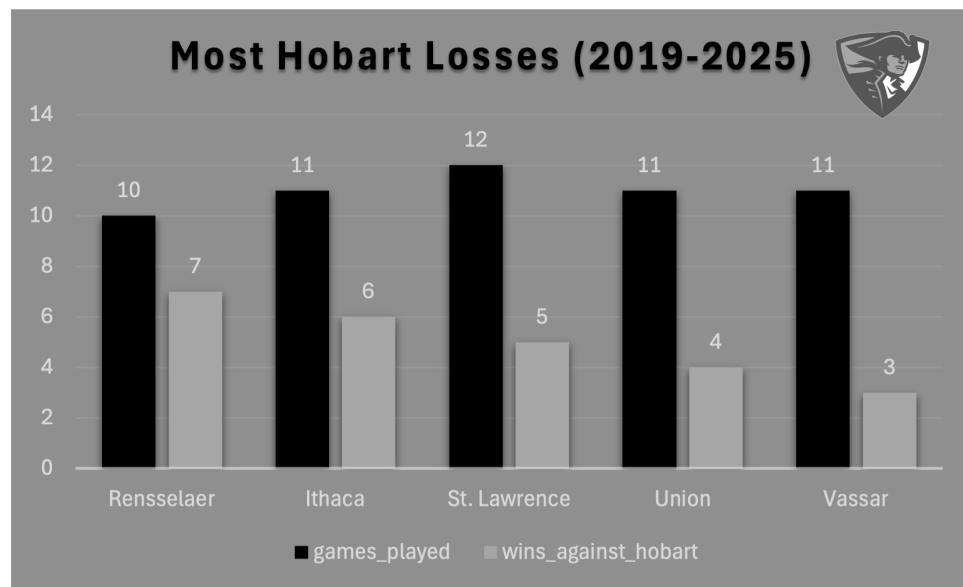
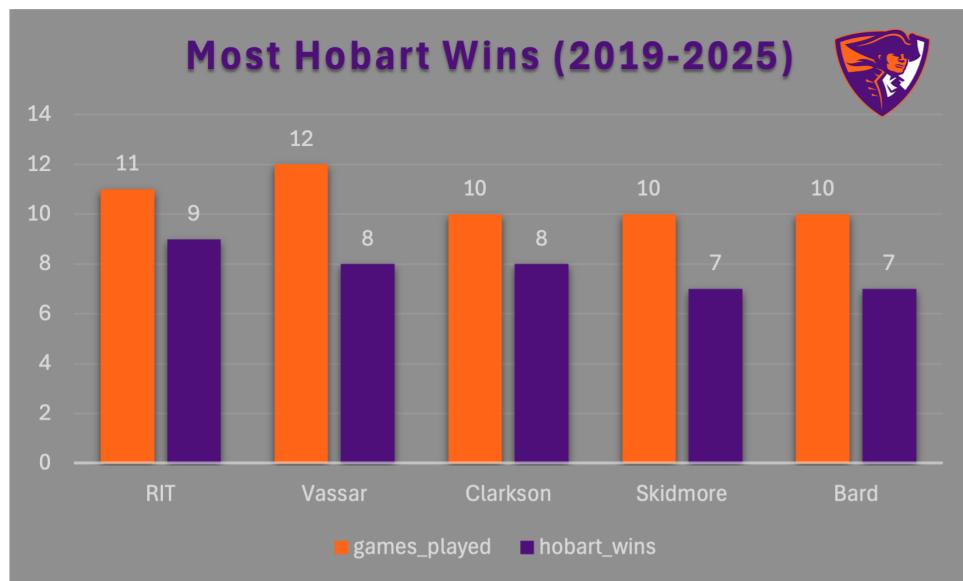


Defensive performance is showcased through opponent shooting stats. Hobart consistently held opponents below 43% from the field. Holding true for the successful month of December, teams are a low FG percentage of 39.5%, and FT percentage of 65.2%.



8. Most Hobart Wins & Losses

It's important to explore which teams Hobart has had the most success against, as well as which teams have proven to be the most difficult opponents. By doing so, we hope to identify the programs that have consistently struggled against Hobart, but even more importantly, identify the programs that Hobart can possibly focus more effort towards defeating in future matchups.



Conclusion

The 2019–2025 era under Head Coach Stefan Thompson reflects a strong and consistent period for Hobart Basketball. With a **66.7% overall win rate** and standout performances both at home and in non-conference play, the program has demonstrated its ability to compete and win across varying contexts. The pronounced **home-court advantage**—driven in part by higher attendance and fan support—has made Bristol Gym a tough environment for visiting teams, contributing to an impressive **80.9% home win percentage**.

Performance by month offers additional insight, with **December emerging as a peak period** for both efficiency and wins. The team's shooting metrics align with their success, especially their **free throw percentage in March (75.4%)**, a time of year often associated with high-stakes games. Defensively, Hobart's consistency is clear, as opponents were regularly held under 43% shooting from the field—further validating the team's focus on limiting high-quality chances.

Finally, analyzing Hobart's most frequent wins and losses by opponent offers an important lens for both celebration and strategy. Recognizing the teams they've consistently beaten reinforces what's working, while identifying recurring challenges provides a roadmap for future improvement.

This chapter tells a story of a program with a strong foundation, clear areas of strength, and the potential to elevate even further through targeted growth. The combination of **statistical awareness and performance analysis** ensures Hobart Basketball is positioned not only to reflect on success—but to build on it.



Hobart Basketball Statistical Identity (2019–2025)

Executive Summary

This next chapter provides a deeper understanding of the numbers behind Hobart Basketball. A box score contains 20+ statistical categories that offer insight into how a game unfolded. While a box score can highlight areas where a team performed well or struggled, it often fails to capture the full identity of a team. For any meaningful analysis, it's essential to compile data over time and identify consistent trends.

The goal of the following sections is to extract data over the past five seasons for Hobart Basketball, and uncover the core tendencies and identity of the program. Insights are supported with graphics for clarity and professional presentation.

**These graphs were made with the assistance of TheBricks.*

1. The Data

Starting with data, we can see three tables, broken down into multiple columns you can find on a box score PDF after a competition. Building upon the traditional box score, we can showcase the “margins” of each statistic. The numbers below are the averages for both Hobart and their opponents over the past 5 seasons.

Core Scoring Stats

| Stat | HOB | OPP | MARGIN | % MARGIN DIFF |
|------------|-------|-------|--------|---------------|
| avg_points | 71.79 | 66.67 | 5.12 | 7.70% |
| avg_fgm | 26.16 | 24.16 | 2.0 | 8.30% |
| avg_fga | 58.81 | 58.47 | 0.34 | 0.60% |
| fg_pct | 0.445 | 0.413 | 0.032 | 7.75% |
| avg_fgm3 | 6.61 | 6.7 | -0.09 | -1.30% |
| avg_fga3 | 20.26 | 21.7 | -1.44 | -6.60% |
| fg3_pct | 0.326 | 0.309 | 0.017 | 5.50% |
| avg_ftm | 12.87 | 11.65 | 1.22 | 10.50% |
| avg_fta | 18.87 | 16.93 | 1.94 | 11.50% |
| ft_pct | 0.682 | 0.688 | -0.006 | -0.90% |

Possession & Rebounding

| Stat | HOB | OPP | MARGIN | % MARGIN DIFF |
|----------|-------|-------|--------|---------------|
| avg_oreb | 11.63 | 8.53 | 3.1 | 36.30% |
| avg_dreb | 28.13 | 23.1 | 5.03 | 21.80% |
| avg_reb | 39.76 | 31.64 | 8.12 | 25.70% |
| avg_ast | 12.76 | 11.31 | 1.45 | 12.80% |
| avg_stl | 5.81 | 6.76 | -0.95 | -14.10% |
| avg_blk | 2.9 | 3.42 | -0.52 | -15.20% |
| avg_pf | 17.21 | 17.44 | 0.23 | 1.30% |
| avg_to | 13.7 | 11.68 | -2.02 | -17.30% |



Specialty Stats

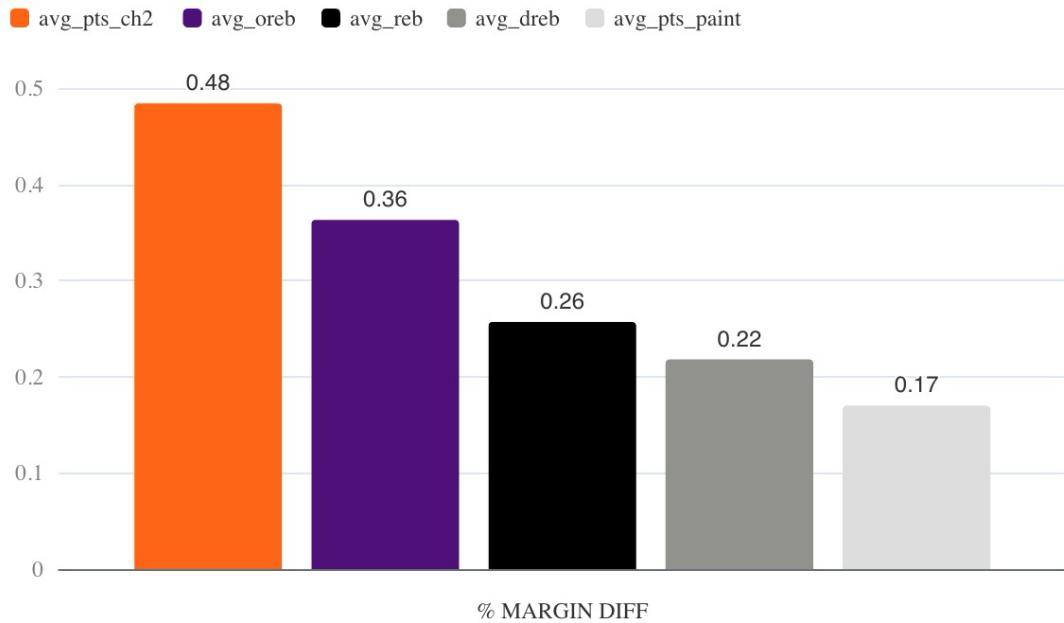
| Stat | HOB | OPP | MARGIN | % MARGIN DIFF |
|---------------|-------|-------|--------|---------------|
| avg_pts_paint | 34.52 | 29.5 | 5.02 | 17.00% |
| avg_pts_to | 12.4 | 13.86 | -1.46 | -10.50% |
| avg_pts_ch2 | 11.47 | 7.73 | 3.74 | 48.40% |
| avg_pts_fastb | 6.64 | 6.61 | 0.03 | 5.00% |
| avg_pts_bench | 21.43 | 18.76 | 2.67 | 14.20% |

An important column to focus on is “% MARGIN DIFF.”

Unlike the raw numbers in the “MARGIN” column, which show the absolute difference between Hobart and its opponents, the “% MARGIN DIFF” column offers a clearer perspective by highlighting the relative difference. This percentage-based comparison provides a more effective way to evaluate how Hobart consistently stacks up against its competition across each statistical category.

2. Positive Margins

Hobart’s Positive Margin Identity



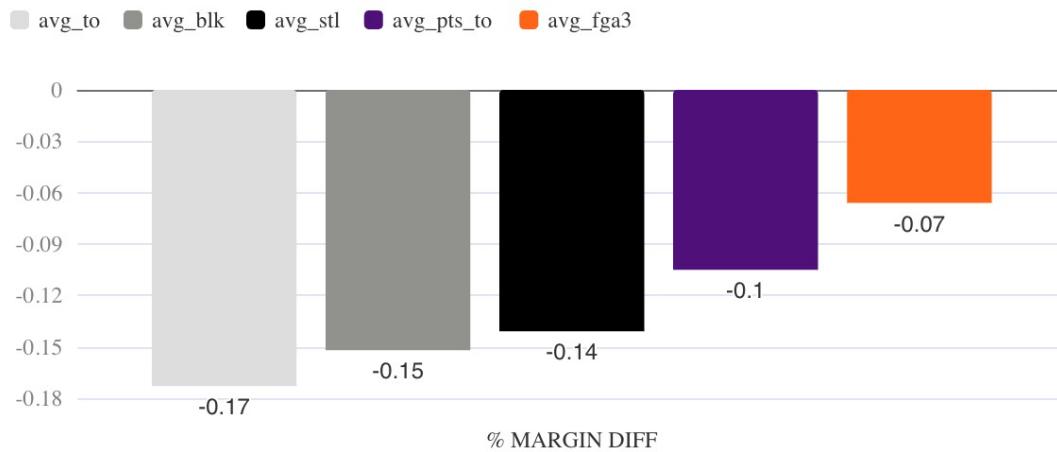
Three of Hobart’s top five statistical advantages over the past five seasons came from rebounding categories, underscoring their dominance on the glass. Leading the way is **average second-chance points (avg_pts_ch2)**—a direct reflection of their



ability to convert offensive rebounds into scoring opportunities. This consistent edge in rebounding has been a cornerstone of Hobart's success, driving both possession control and point production.

3. Negative Margins

Hobart's Negative Margin Identity



While Hobart has showcased clear strengths, it's equally important to spotlight areas for improvement. Their three largest deficits come in **steals, blocks, and turnovers forced**—all indicators of defensive disruption. Although these stats don't always directly reflect defensive quality (especially given Hobart's **+7.75% FG% advantage**), they do impact possession control. Blocks deter shot attempts, and forced turnovers eliminate them entirely. Increasing pressure in these categories could limit opponents' opportunities while creating more transition chances for Hobart. Sharpening this side of their game would further amplify the team's overall performance.

3. Championship DNA & Best Rankings

When analyzing this data, it's important to identify trends that can lead to more wins throughout a season. While there is no exact statistical map, looking at the history of the past five seasons, we can see that certain teams have thrived when compared to their opponents and the statistical margins. Beneath the table below, there is a color key indicating a ranking on how a team did in a statistical category, compared to the other seasons. Please note the 2019-2020 & 2023-2024 seasons



qualified for the NCAA tournament. Both of those seasons, each team compiled over 20+ wins as well.

Margin Comparison Over the Year

| seas on | pct_margin_points | pct_margin_fg_pct | pct_margin_fg3_pct | pct_margin_ft_pct | pct_margi n_reb | pct_margi n_ast | pct_marg in_stl | pct_margi n_blk | pct_mar gin_to |
|-------------|-------------------|-------------------|--------------------|-------------------|-----------------|-----------------|-----------------|-----------------|----------------|
| 2019 - 2020 | 14.9 | 22.3 | 22.6 | 8.9 | 41.1 | 41.0 | -35.0 | 3.6 | -31.7 |
| 2021 - 2022 | 0.9 | 2.3 | -6.1 | 1.4 | 21.1 | 2.6 | -37.4 | 1.5 | -21.9 |
| 2022 - 2023 | 11.6 | 9.6 | 11.7 | -9.6 | 41.9 | 26.0 | -33.6 | -46.5 | -25.5 |
| 2023 - 2024 | 6.5 | 1.6 | -1.3 | 10.2 | 16.5 | -9.0 | 17.3 | -16.6 | 2.8 |
| 2024 - 2025 | 4.9 | 3.7 | 1.5 | -13.4 | 10.6 | 8.3 | 36.7 | -9.1 | 13.6 |

| RANKING KEY | | | | |
|-------------|------------|------------|------------|------------|
| #1 Ranking | #2 Ranking | #3 Ranking | #4 Ranking | #5 Ranking |

The **2019–2020 season** stands out as Hobart's most dominant across the measured categories. That year — which culminated in an NCAA Tournament run and a Sweet 16 appearance — the team ranked **1st in five of the nine categories**, with only **two instances of ranking 4th or lower**.

On the opposite end, the **2021–2022 season** appears to be the weakest overall. That season ranked **4th or lower in five of the nine categories**, coinciding with their lowest win total of the five-year span.

Interestingly, the **2022–2023 team**, despite finishing 17–10 (third-best record), ranked **2nd or higher in five categories**, making it the **second-best performing season by margin**.

Perhaps most surprising is the **2023–2024 team**, which qualified for the NCAA Tournament but **ranked 4th or worse in five of the nine categories**. While they did finish 1st in one category and 2nd in two others, their overall statistical margins were among the weakest. This highlights how a team can still achieve postseason success even without excelling across key margin-based metrics — a reminder that **not all success is fully captured by the numbers**.



Conclusion

Over the course of five seasons, Hobart Basketball has developed a clear statistical identity rooted in physicality, rebounding, and interior dominance. The data reveals that Hobart consistently outperformed opponents in areas that reflect toughness and effort — particularly in second-chance points, total rebounding margin, and points in the paint. These advantages speak to the program's ability to control possessions and impose their style of play over time.

At the same time, the analysis exposes key areas for growth. Defensive disruption metrics — such as steals, blocks, and turnovers forced — consistently lag behind opponent averages. Addressing these gaps could elevate Hobart's ability to generate momentum-changing plays and improve overall defensive efficiency.

Most notably, this report emphasizes how statistical success often mirrors postseason achievement. The 2019–2020 and 2023–2024 teams — both of which earned NCAA Tournament bids — ranked at or near the top in multiple margin-based categories. However, the 2023–2024 team's success also serves as a reminder that **intangibles, situational execution, and team chemistry** can override deficiencies in raw stats.

Ultimately, this five-year snapshot offers coaches, players, and analysts a foundation for reflection and refinement. As Hobart continues to evolve, the ability to blend **data-driven insights with strategic adaptability** will be critical to future success on the court.



Hobart Basketball Back-to-Back Second Day Analysis (2019-2025)

Executive Summary

In this chapter, we examine Hobart Basketball's overall performance over the past five seasons, comparing full-season averages to second-day back-to-back (B2B) games.

A distinctive feature of the Liberty League—Hobart's conference—is its schedule structure. Of the 25 regular-season games, 18 are conference matchups, and 16 of those are played on consecutive Fridays and Saturdays. This results in at least eight games each season being played without a day of rest in between. Additionally, most teams participate in one or two non-conference tournaments, which are also commonly scheduled as B2B contests.

Altogether, Hobart has played 44 second-day B2B games across the past five seasons. By comparing performance in those 44 games against their overall average from 135 total games during that span, we can identify trends and evaluate how B2B scenarios impact team performance. Insights are supported with graphics for clarity and professional presentation.

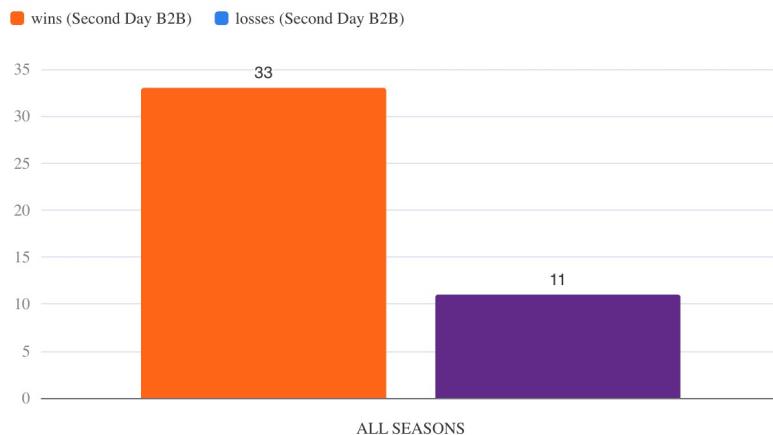
Second Day Back-to-Back Overview

Here we can see that out of the 44 games, Hobart has performed very well over the last 5 seasons, hosting 33 wins to 11 losses, good for a win percentage of 75.0%. As mentioned above, 8 games a year in the Liberty League are played as a B2B. Preforming well and winning these games are vital to having a successful season.



*These graphs were made with the assistance of TheBricks

2nd Day - B2B Team Performance (2019-2025)



Key Highlights – Second Day B2B vs. Full Season

| Metric | Full Season | Second Day B2B | Margin Change | % Margin Change |
|--------------------------|-------------|----------------|---------------|-----------------|
| Win % | 66.7 | 75.0 | 8.3 | 12.5% |
| FTM | 12.87 | 13.95 | 1.08 | 8.4% |
| FTA | 18.87 | 19.98 | 1.11 | 5.9% |
| 3pt FG% | 32.6 | 34.4 | 1.8 | 5.5% |
| Second Chance Pts | 11.47 | 11.93 | 0.46 | 4.0% |
| Bench Points | 21.43 | 22.09 | 0.66 | 3.1% |
| Turnovers | 13.7 | 13.27 | 0.43 | 3.1% |
| FT % | 68.2 | 69.9 | 1.7 | 2.5% |

Several notable improvements occurred in second-day back-to-back games, most notably in **win percentage**, which increased from 66.7% to 75.0% — a **12.5% gain**. That's particularly impressive considering the physical and mental demands of B2B scenarios.

Other significant improvements include:

- **Free Throws:** FTA (+5.9%), FTM (+8.4%), and FT% (+2.5%), indicating sharper execution and composure under fatigue.
- **3PT FG%** improved by 5.5%, showing better shot selection or rhythm from deep.
- **Second Chance Points** and **Bench Points** were also up, suggesting that Hobart's depth and effort on the offensive glass have contributed to success late in these stretches.
- **Turnovers decreased slightly**, reflecting improved decision-making under pressure.



Moderate Decreases in B2B Games

| Metric | Full Season | Second Day B2B | Margin Change | % Margin Change |
|--------------------------|-------------|----------------|---------------|-----------------|
| Blocks | 2.9 | 2.5 | -0.4 | -13.8% |
| 3pt FGA | 20.26 | 18.91 | -1.35 | -6.7% |
| Steals | 5.81 | 5.55 | -0.26 | -4.5% |
| Off. Rebounds | 11.63 | 11.14 | -0.49 | -4.2% |
| Rebounds | 39.76 | 38.5 | -1.26 | -3.2% |
| FGA | 58.81 | 57.57 | -1.24 | -2.1% |
| Fast Break Points | 6.64 | 6.5 | -0.14 | -2.1% |

Despite strong performances in several areas, there were some declines in metrics tied to **defensive disruption and pace**:

- **Blocks (-13.8%)** and **Steals (-4.5%)** decreased, possibly due to reduced aggressiveness or fatigue on the defensive end.
- Lower **3PT FGA (-6.7%)**, **Total FGA (-2.1%)**, and **Fast Break Points (-2.1%)** suggest a slight dip in tempo or transition opportunities.
- **Offensive Rebounds (-4.2%)** and **Total Rebounds (-3.2%)** were also slightly lower, which may connect to energy levels on the second day.

These decreases align with expected fatigue effects when rest is limited between games.

Neutral or Minimal Change Categories

| Metric | Full Season | Second Day B2B | Change | % Margin Change |
|---------------------------|-------------|----------------|--------|-----------------|
| Pts. Off Turnovers | 12.4 | 12.43 | -0.03 | -0.2% |
| FGM | 26.16 | 26.05 | -0.11 | -0.4% |
| Points | 81.79 | 72.55 | 0.76 | 1.1% |
| FG % | 44.5% | 45.2% | 0.7 | 1.6% |
| 3pt FGM | 6.61 | 6.50 | -0.11 | -1.7% |
| Personal Fouls | 17.21 | 16.91 | 0.3 | 1.7% |
| Points in Paint | 34.52 | 35.09 | 0.57 | 1.7% |

Some metrics remained relatively stable:

- **Points** scored saw a minimal increase (+1.1%), despite slight decreases in **FGM (-0.4%)** and **3PT FGM (-1.7%)**.
- **FG%** and **Points in the Paint** saw modest gains (+1.6% and +1.7% respectively), indicating interior efficiency held up well.
- **Personal Fouls** and **Points Off Turnovers** remained nearly flat.



Overall, these metrics suggest Hobart maintained its core identity and offensive structure in B2B games, even as certain effort-based categories fluctuated.

Conclusion

The data clearly highlights Hobart Basketball's ability to rise to the occasion during the second day of back-to-back games. Despite the physical demands and reduced recovery time, the team posted a **75.0% win rate** in these contests — a notable increase from their full-season average of 66.7%.

Key performance indicators such as **free throw efficiency, three-point shooting, bench production, and turnover management** all improved, demonstrating composure and discipline under fatigue. These trends point to strong **preparation, in-game adjustments, and depth across the roster**, particularly important when navigating a demanding conference schedule like that of the Liberty League.

While some expected declines occurred — notably in **blocks, steals, and rebounding** — these were moderate and aligned with typical fatigue-related effects. Importantly, **core offensive execution and scoring consistency remained intact**, further reinforcing the team's resilience and identity.

Ultimately, Hobart's performance on the second day of back-to-backs was not just sustainable — it was exceptional. This competitive edge offers a strong foundation for postseason success and speaks volumes about the program's culture, leadership, and overall toughness.



Hobart Basketball Advance Analytical Breakdown (2019–2025)

Executive Summary

As the use of data and analytics has grown in basketball, so too have the metrics and formulas used to evaluate team performance and strategy. Today, we have access to advanced analytical tools that allow us to break down nearly every aspect of the game.

By leveraging box score data—often found in a simple PDF printout—we can apply advanced metrics that offer deeper insight into a team's tendencies and efficiency. The goal of this section is to apply some of these formulas, many of which are widely used in the NBA, to Hobart's performance over the past five seasons. Through this lens, we aim to develop a more statistical understanding of the program's strengths and areas of advantage. Please note that a glossary is attached that details what each of these advanced metrics is measuring. Insights are supported with graphics for clarity and professional presentation.

**These graphs were made with the assistance of TheBricks.*

1. Dean Oliver's Four Factors: A Key to Understanding Winning Basketball

One of the most impactful frameworks in basketball analytics is Dean Oliver's *Four Factors*. These metrics, derived from box score data, have been statistically shown to correlate most closely with winning outcomes. They offer a lens into both a team's offensive and defensive performance, revealing strategic strengths and areas for improvement.

The Four Factors are:

- **Effective Field Goal Percentage (eFG%)**
- **Turnover Percentage (TOV%)**
- **Offensive Rebound Rate (OREB%) / Defensive Rebound Rate (DREB%) (opponent)**
- **Free Throw Rate (FTR)**



These indicators form the foundation of modern basketball analytics and provide a clear, data-driven way to evaluate team efficiency and style of play.

“While these are the four essential factors that decide who wins and loses in the NBA, the factors do not carry equal weight. Dean Oliver has found the following weights:

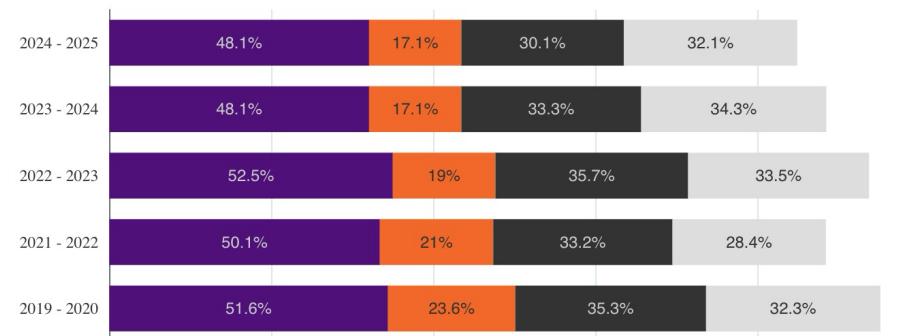
1. Shooting (40%)
2. Turnovers (25%)
3. Rebounding (20%)
4. Free Throws (15%)”

Each factor reflects a unique skill set. While shooting carries the most weight, strong performance across all four categories is key to consistent success. Teams may compensate for weaknesses in one area by excelling in another—for example, dominating the offensive glass on a poor shooting night.

Following this framework, we assign proportional weight to each factor to better understand their relative impact. A team doesn’t need to be perfect across all metrics, but a strong combination of the four is essential for sustained, competitive success.

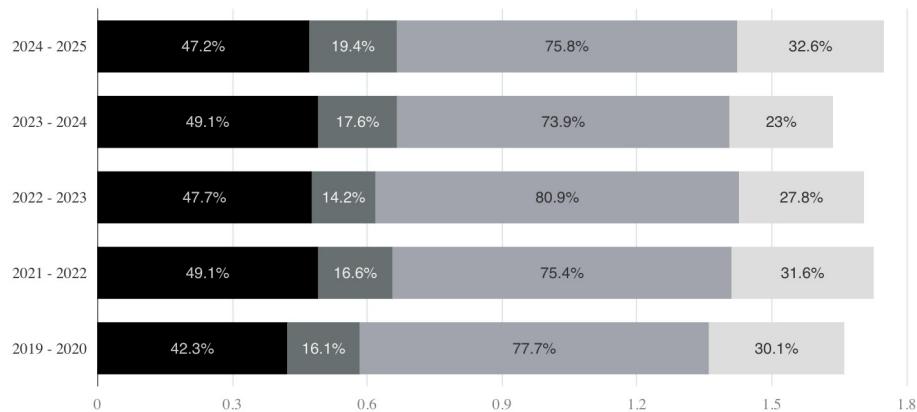
“Dean Oliver’s” Four Factors Breakdown (2019-2025)

■ efg_pct ■ tov_pct ■ oreb_pct ■ fta_rate



"Dean Oliver's" Four Factors Breakdown Opp. (2019-2025)

■ efg_pct ■ tov_pct ■ dreb_pct ■ fta_rate



When evaluating the charts above, we see that Hobart held an advantage in **Effective FG Percentage** in four of the last five seasons. Over the past two years, the program also improved its edge in **Turnover Percentage**, creating a positive margin in that category.

In terms of **Free Throw Rate**, Hobart had the upper hand in three of the five seasons when compared to its opponents.

2. Shooting / Scoring

| season | ts_pct | off_rating (PPP) | play_pct |
|-------------|--------|------------------|----------|
| 2019 - 2020 | 55.7% | 102.66 | 41.3% |
| 2021 - 2022 | 53.4% | 100.66 | 42.1% |
| 2022 - 2023 | 55.0% | 107.4 | 46.1% |
| 2023 - 2024 | 52.4% | 103.66 | 43.6% |
| 2024 - 2025 | 50.8% | 99.32 | 41.7% |

The next set of data points addresses some of the more advanced offensive shooting metrics tracked over the past five seasons. When analyzing **True Shooting Percentage (ts_pct)**, **Offensive Rating (PPP)**, and **Play Percentage (play_pct)**, the **2022-2023** season stands out. That team led all seasons in both **offensive rating** and **play percentage**, indicating it was the most efficient and productive offensive unit in recent years.

While each of these metrics plays a valuable role in assessing team performance, **Play Percentage** deserves particular attention. As noted in the glossary, this stat



captures how often a team successfully ends a possession with a made shot, while adjusting for offensive rebounds and turnovers. It reflects not only shooting efficiency, but also how consistently a team executes in live possessions.

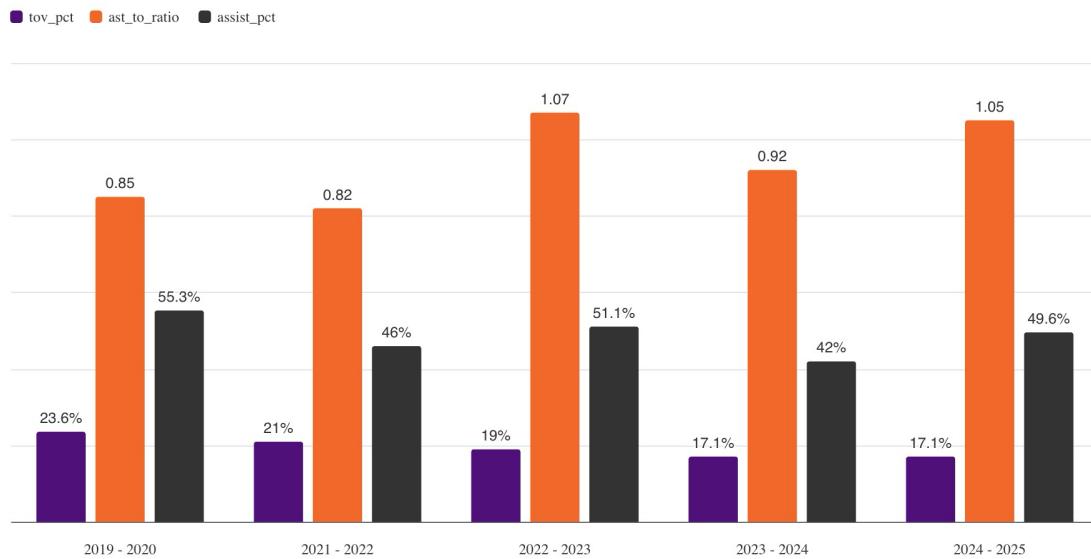
Interestingly, while the **2022–2023** team didn't post the highest **True Shooting Percentage** (that honor goes to the **2019–2020** team at 55.7%), it still achieved the highest **Offensive Rating** (107.4) and **Play Percentage** (46.1%). This suggests that although their shot efficiency was slightly lower, their overall possession management and ability to finish plays was elite. In short, they squeezed more out of every opportunity.

Meanwhile, the **2024–2025** season showed the lowest values in all three categories, pointing to a notable drop in offensive performance and efficiency compared to earlier years.

3. Ball Security

An important quality of any effective offense is the ability to share the ball and make smart decisions while limiting turnovers. The chart below highlights three key metrics—**Turnover Percentage (TO%)**, **Assist-to-Turnover Ratio (AST/TO)**, and **Assist Percentage (AST%)**—to evaluate Hobart's passing and ball security from 2019 to 2025.

Passing / Ball Security Breakdown (2019–2025)



Over the past three seasons, Hobart has shown meaningful improvement in Assist-to-Turnover Ratio, along with a noticeable reduction in Turnover Percentage, indicating more efficient ball movement and decision-making. Notably, the 2019–2020 and 2022–2023 seasons stand out as leaders in Assist Percentage, reinforcing the earlier finding that both were among the program’s most productive offensive years. These trends suggest that Hobart’s most successful offenses weren’t just built on scoring, but also on effective ball distribution and control.

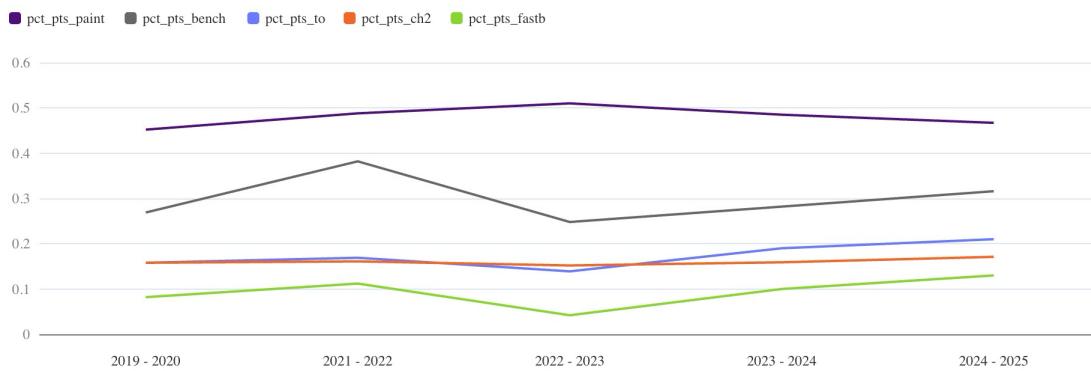
4. Special Categories

Most box scores include a section—often at the bottom or off to the side—that highlights five “special” scoring categories. These stats go beyond traditional metrics tied directly to players or team efficiency and instead offer insight into how points are generated in specific game contexts.

In this advanced analytics section, we calculate the **percentage of total points** that come from each of these five special categories:

- **Points in the Paint** (pts_pct_paint)
- **Bench Points** (pts_pct_bench)
- **Points Off Turnovers** (pts_pct_to)
- **Second Chance Points** (pts_pct_ch2)
- **Fast Break Points** (pts_pct_fastb)

Percentage of Points - 5 Special Categories (2019-2025)



Unsurprisingly, **Points in the Paint** stands out as the most dominant contributor across all five seasons. This suggests that a significant portion of Hobart’s offense is consistently generated close to the basket—a reflection of either interior-focused play or aggressive drives to the rim.



It's important to note that a single basket may fall into multiple categories (e.g., a bench player scoring in the paint off a turnover contributes to three categories). Even with this overlap, the trends are still valuable for understanding broader team tendencies.

One of the more interesting takeaways is the fluctuation in **Bench Points**. The **2021–2022** season shows a sharp spike, with over **40%** of total points coming from non-starters, likely indicating a season of strong depth or rotational emphasis. In contrast, other seasons ranged from roughly **25% to 33%**, pointing to more top-heavy scoring distributions.

Lastly, **Second Chance Points** remained the most consistent of the five categories, hovering between **15% and 17%** across all five years—suggesting a steady contribution from offensive rebounds and put-backs.

5. Margins – The Separating Factor

Similar to the previous section, this analysis focuses on *margins*—comparing Hobart's statistical performance directly against their opponents. Looking at percentage-based differences allows us to better understand where Hobart creates separation or faces disadvantages.

Below are three categories where Hobart held the **largest positive margins**, as well as three where they showed **negative margins** compared to their opponents.

| group_name | pct_pts_ch2 | fta_rate | play_pct |
|-----------------------|-------------|----------|----------|
| Hobart | 16.00% | 32.10% | 43.00% |
| Opponent | 11.60% | 29.00% | 39.20% |
| Margin | 0.044 | 0.031 | 0.038 |
| % Margin Diff. | 37.93% | 10.69% | 9.69% |

These positive margins reflect Hobart's gritty, physical playing style. The team consistently creates second-chance opportunities and gets to the free throw line more often than opponents—two signs of an aggressive, multi-effort approach.

| group_name | tov_pct | pct_pts_3pt | pct_pts_to |
|-----------------------|---------|-------------|------------|
| Hobart | 19.60% | 27.60% | 17.30% |
| Opponent | 16.80% | 30.10% | 20.80% |
| Margin | 0.028 | -0.025 | -0.035 |
| % Margin Diff. | -16.67% | -8.31% | -16.83% |



On the flip side, Hobart has struggled with ball security, posting a significantly higher Turnover Percentage than its opponents. The team also generates fewer points off turnovers, suggesting less capitalization on defensive pressure. Additionally, Hobart scores a lower percentage of its points from beyond the arc—highlighting a contrasting offensive style compared to many of its opponents.

Conclusion

Over the past five seasons, Hobart Basketball has built a clear statistical identity rooted in physicality, inside scoring, and offensive rebounding. Through advanced metrics, we can now quantify many of the team's tendencies and better understand the areas where they consistently perform well—and where there's room for improvement.

The data shows that Hobart has excelled in second-chance points, free throw rate, and play percentage, all of which suggest a team committed to effort-based possessions and high-efficiency opportunities around the rim. The 2022–2023 season, in particular, stands out as a model of offensive balance, leading the way in multiple efficiency categories.

However, there are also consistent challenges that emerge from the data. Turnover percentage has remained a persistent issue, and the team's reliance on interior scoring has come at the expense of perimeter production—trailing opponents in both 3-point scoring and points off turnovers.

By applying these advanced metrics, Hobart's staff and players gain a clearer picture of what drives success and where the next competitive edge may lie. As analytics continue to evolve in the sport, the ability to measure, interpret, and act on this kind of data will be key to sustaining excellence and staying one step ahead.



Hobart Basketball Advanced Analytics Glossary

This glossary outlines the 21 advanced basketball metrics calculated for each season in the Hobart Basketball performance analysis. These metrics provide a deeper understanding of team efficiency, scoring distribution, ball control, and rebounding effectiveness.

possessions – Estimated Possessions

Total team possessions per game, adjusted for FGA, OREB, TO, and FTA.

efg_pct – Effective Field Goal %

Adjusted shooting efficiency — gives extra weight to 3-pointers.

ts_pct – True Shooting %

Overall scoring efficiency including 2s, 3s, and free throws.

off_rating – Offensive Rating

Points scored per 100 possessions — team scoring efficiency.

tov_pct – Turnover Percentage

How often the team turns the ball over per possession.

ast_to_ratio – Assist to Turnover Ratio

Number of assists per turnover — measures ball security vs. playmaking.

assist_pct – Assist Percentage

Percentage of made field goals that were assisted.

oreb_pct – Offensive Rebound %

Share of total team rebounds that are offensive.

dreb_pct – Defensive Rebound %

Share of total team rebounds that are defensive.

pct_pts_3pt – % Points from 3-Pointers

Share of total points that came from 3-point shots.

pct_pts_ft – % Points from Free Throws

Share of total points that came from made free throws.



pct_pts_bench – % Points from Bench Players

Share of scoring contributed by bench players.

pct_pts_paint – % Points in the Paint

Portion of points scored in the paint — close-range or post play.

pct_pts_fastb – % Fast Break Points

Portion of points scored in transition before the defense is set.

pct_pts_ch2 – % Second Chance Points

Points scored after offensive rebounds — effort and hustle metric.

pct_pts_to – % Points Off Turnovers

Share of points that came from forcing opponent turnovers.

fta_rate – Free Throw Attempt Rate

How often the team gets to the line — FTA per field goal attempt.

fga3_rate – 3-Point Attempt Rate

Proportion of total shots that are 3-point attempts.

play_pct – Play Conversion Percentage

How often a possession ends in a made shot, adjusting for OREB and TO.

