NCAA Men's Basketball Transfer Portal Study

NCAA Men's Basketball Transfer Portal Research Overview

INDIANAPOLIS
TOURISM, EVENT, AND SPORT MANAGEMENT

The purpose of "NCAA Transfer Portal Analysis" was to research and analyze the trends within the NCAA transfer portal for basketball.

The study looked at 898 basketball players with two years of data, one year before they transferred and one year after they transferred. The research method was first to create a tier system for basketball to determine how good a team they were. The teams were separated into 6 tiers, with Tier 6 being the lowest tier and containing all non-D1 teams. The other 5 tiers were based on the data's quartile range with Tier 1 being the outliers. Then a list of transfers fom between the 2022-2023 season and the 2023-2024 season was collected the statistics as well for the players for those two seasons.

This is the Tableau Public Story the student researchers have made in conjunction with a presentation to the NCAA. With the leadership of Dr. David Pierce, director of the IU Indianapolis Sports Innovation Institute, graduate students: Chandler Davis, Maggie Wade, Chin-Yu Wu, and Kael Ecord, have developed the key findings and visuals found in the study.

Presentation Slides: NCAA Transfer Portal Research.pptx

Data Sources: *EvanMiya.com and ESPN.com*

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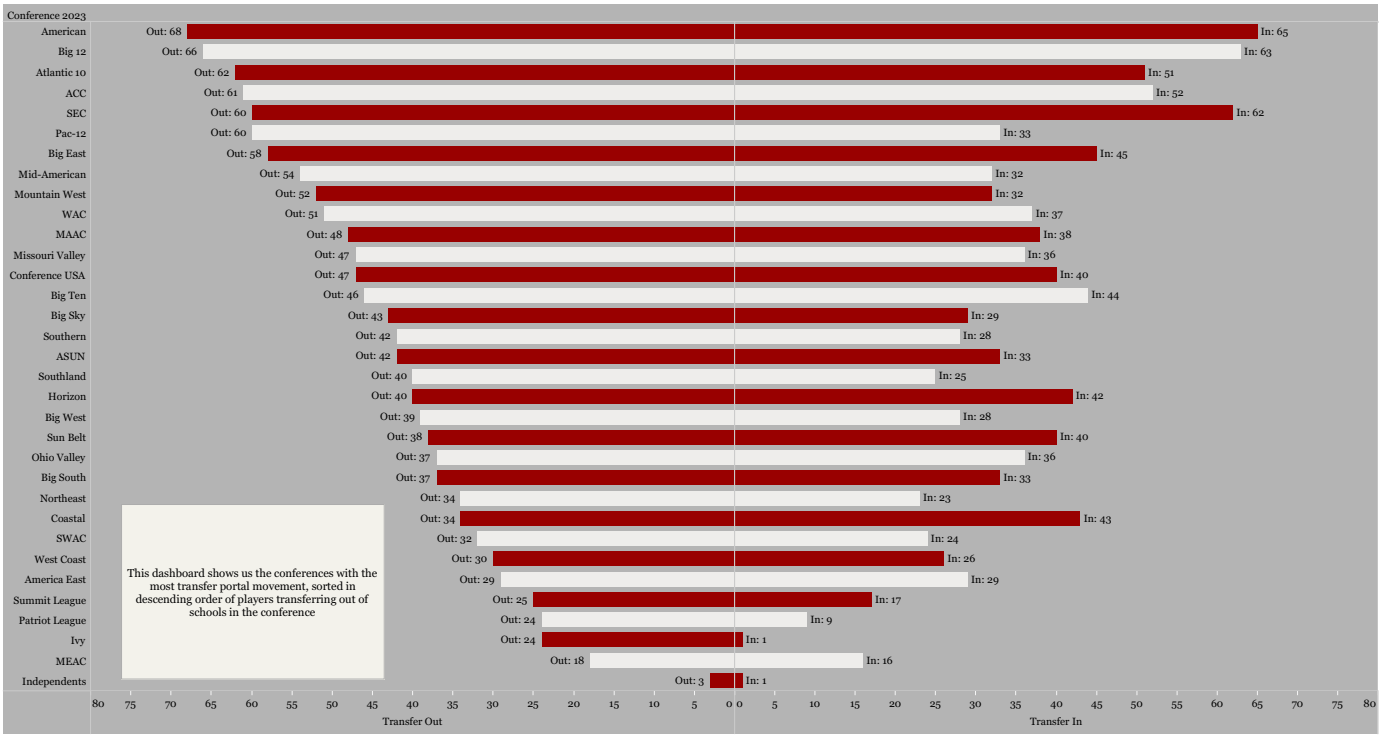
NCAA Men's Basketball Transfers by Conference



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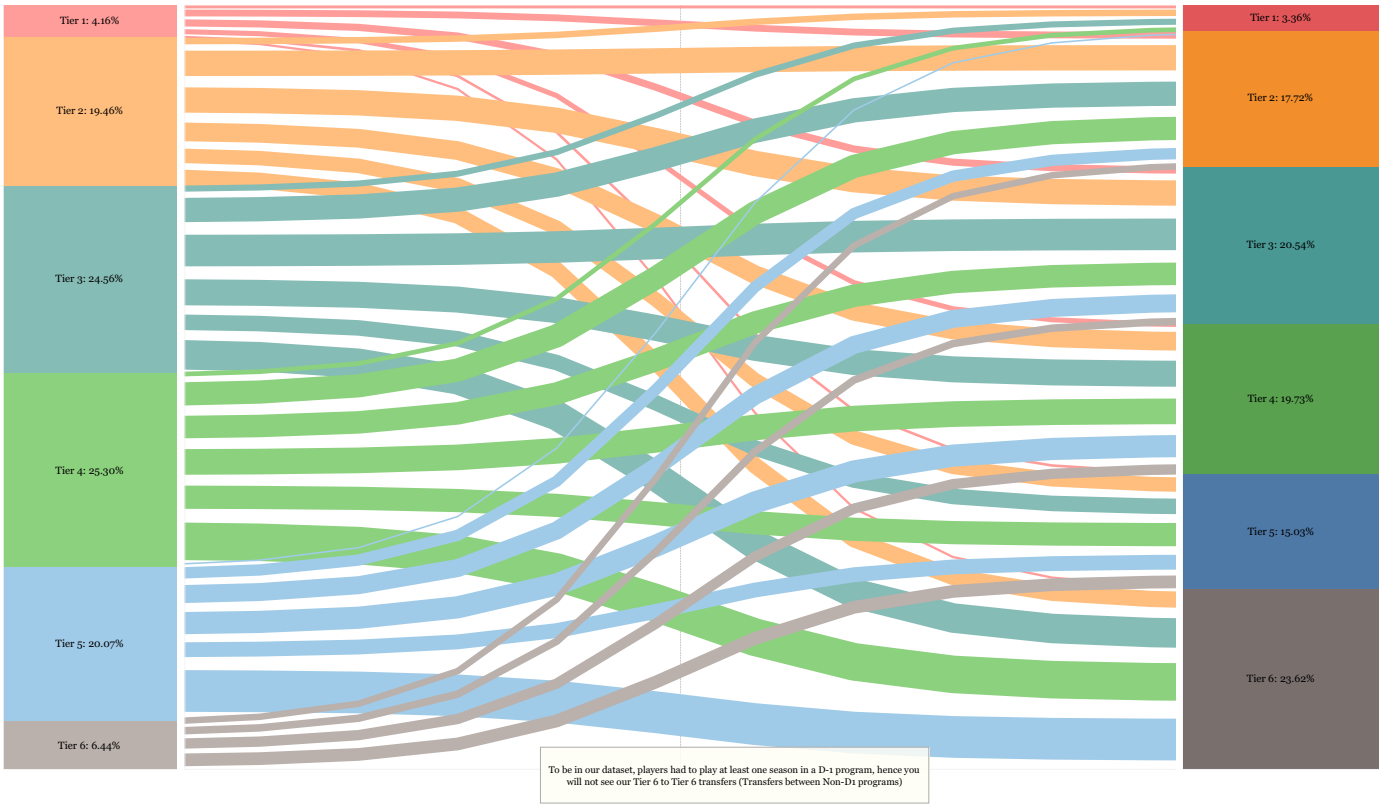

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Team Tier Reference

Tier	Team
Tier 1	Alabama
	Arizona
	Auburn
	Baylor
	Connecticut
	Creighton
	Duke
	Gonzaga
	Houston
	Kansas
	Michigan
	Michigan State
	North Carolina
	Oregon
	Purdue
	San Diego State
	Texas
	Texas Tech
	UCLA
	Villanova
	Virginia
Tier 2	Arkansas
	Belmont
	Boise State
	Buffalo
	BYU
	Cincinnati
	Colgate
	Colorado
	Dayton
	Eastern Washington
	Florida
	Florida State
	Furman
	Georgia State
	Hofstra
	Illinois
	Indiana
	Iona
	Iowa
	Iowa State

Team Tier Lookup

Team	
Alabama	Tier 1

Search for Team Here

Alabama

Use this to search and browse what tier a team falls into in our tier ranking system

The factors used to create the tier system were record, conference finish, strength of schedule, non-conference strength of schedule, Quad 1 wins, tournament appearances and advancement, ranking on Ken Pom as well as ranking on Evan Mikawaya's Bayesian Performance Rating (BPR). The rankings were for the past five seasons, starting with the 2018-2019 season.

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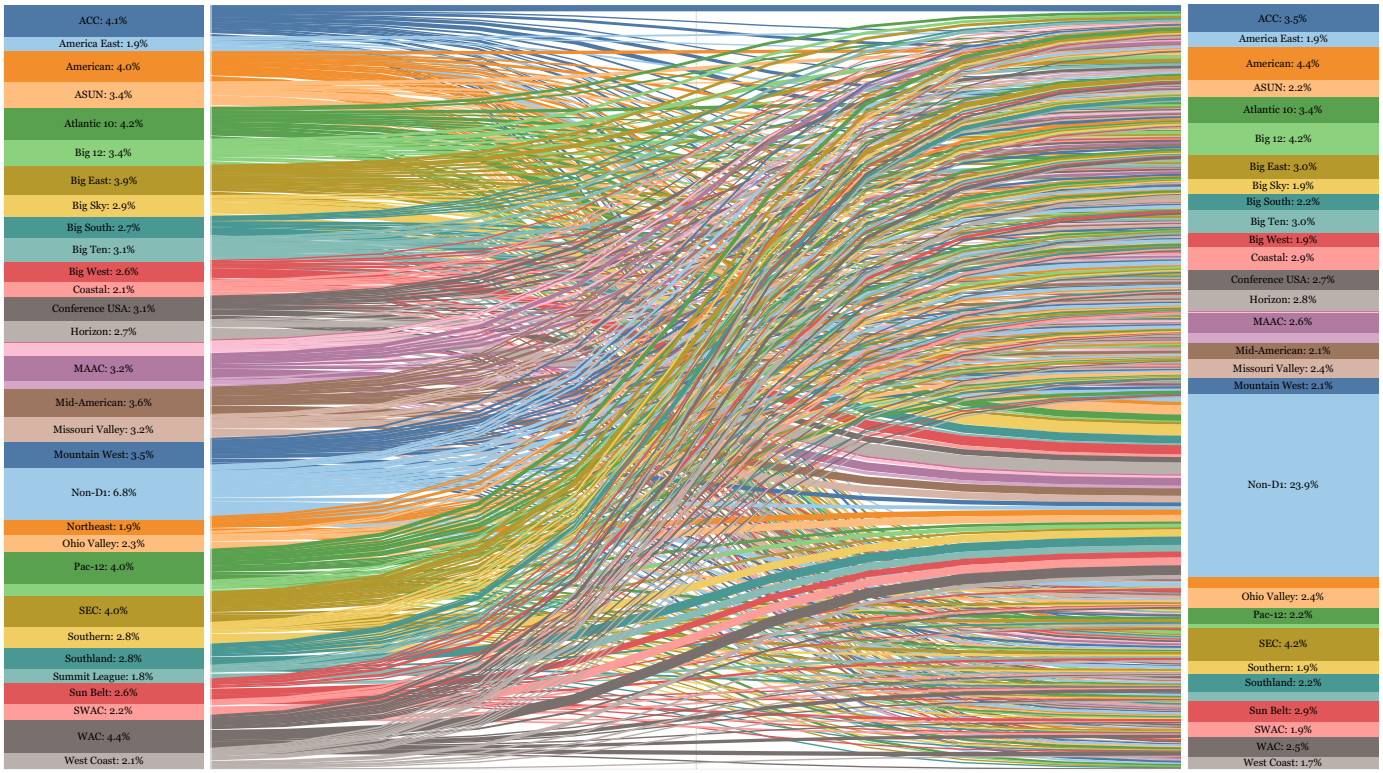

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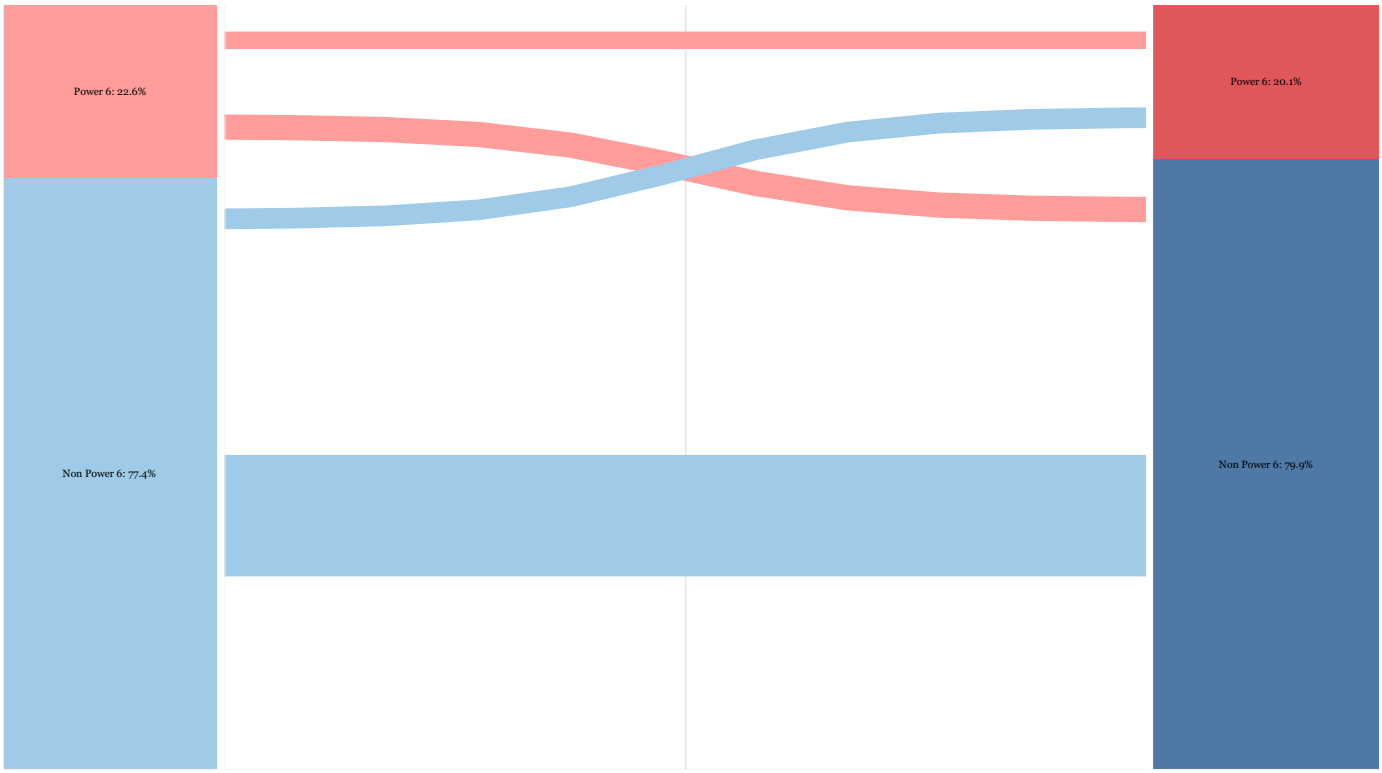

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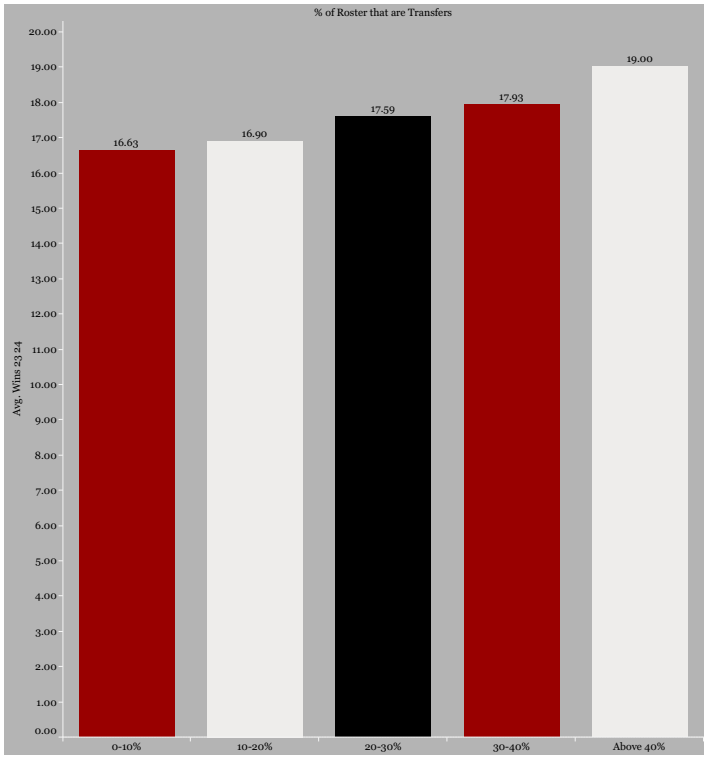
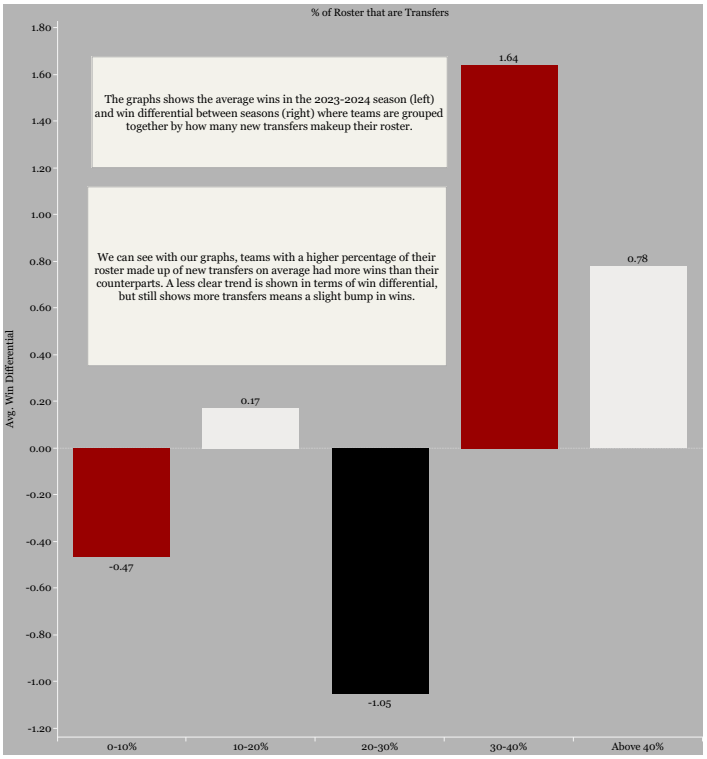
% Roster Transfer Makeup vs Wins 23-24



% Roster Transfer Makeup vs Wins Differential



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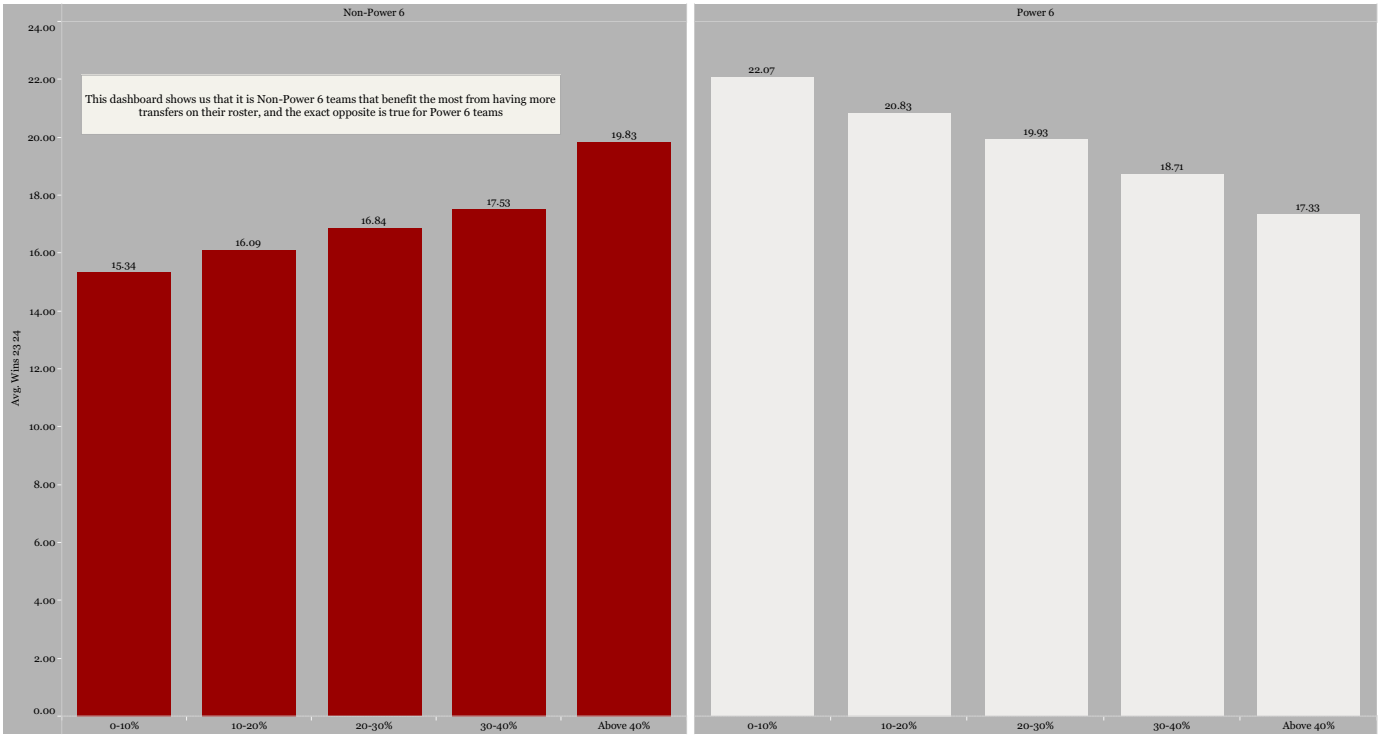
Non-Power 6 vs Power 6 Wins by Roster Makeup



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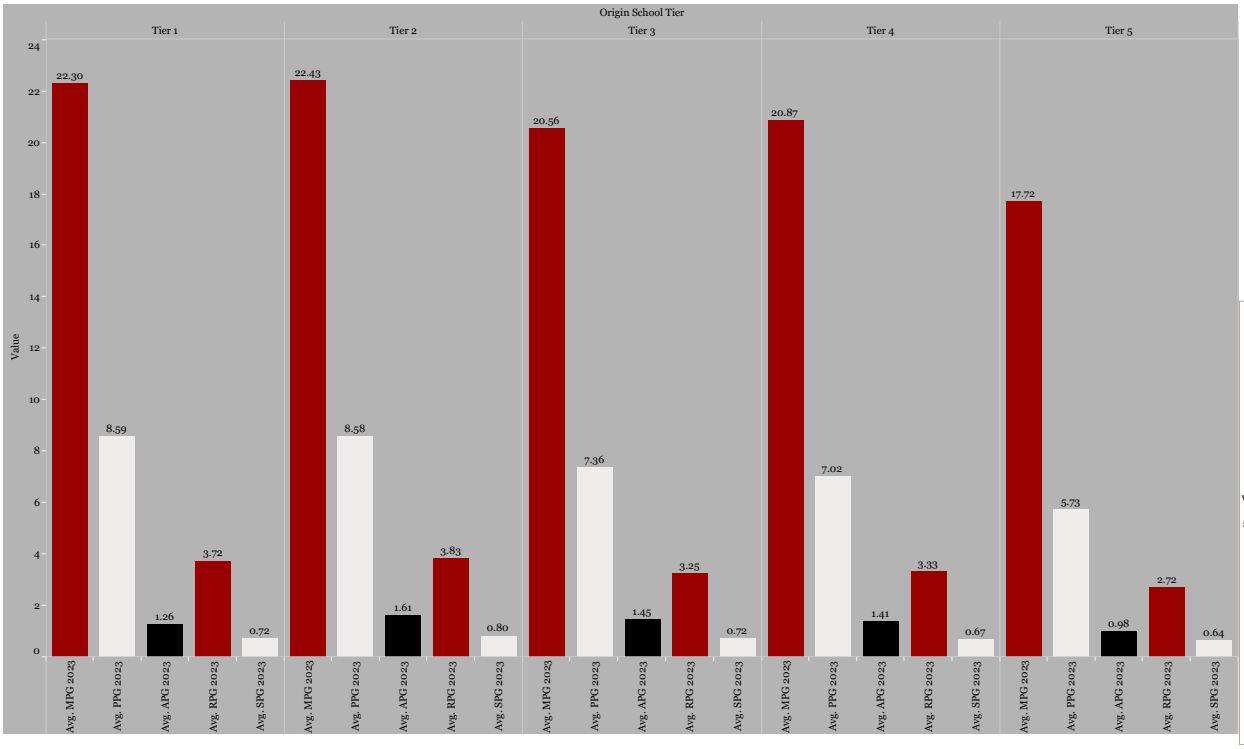
Players Transferring to Tier 3: Box Score Stats



New School Tier
- Tier 1
- Tier 2
- Tier 3
- Tier 4
- Tier 5

Measure Names
- Avg. MPG 2023
- Avg. PPG 2023
- Avg. APG 2023
- Avg. RPG 2023
- Avg. SPG 2023

Use the filter on the right to select the new school tier you want to view. The players stats are grouped by their original school tier. If you select Tier 3 on the filter and look at the Tier 1 Column, that is a Tier 1 to Tier 3 Transfer, as indicated on the Tooltip.

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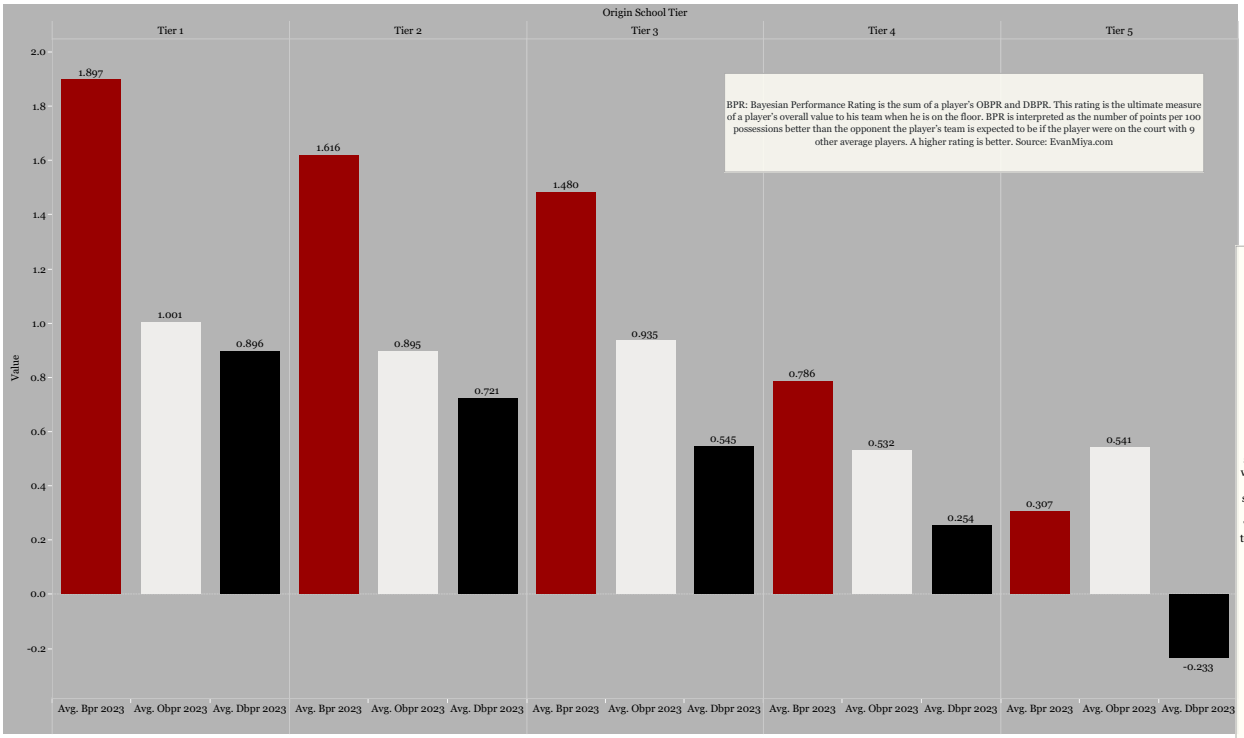
Players Transferring to Tier 3: BPR



New School Tier
- ○ Tier 1
- ○ Tier 2
- ◉ Tier 3
- ○ Tier 4
- ○ Tier 5

Measure Names
- Avg. Bpr 2023
- Avg. Obpr 2023
- Avg. Dbpr 2023

Use the filter on the right to select the new school tier you want to view. The players stats are grouped by their original school tier. If you select Tier 3 on the filter and look at the Tier 1 Column, that is a Tier 1 to Tier 3 Transfer, as indicated on the Tooltip.

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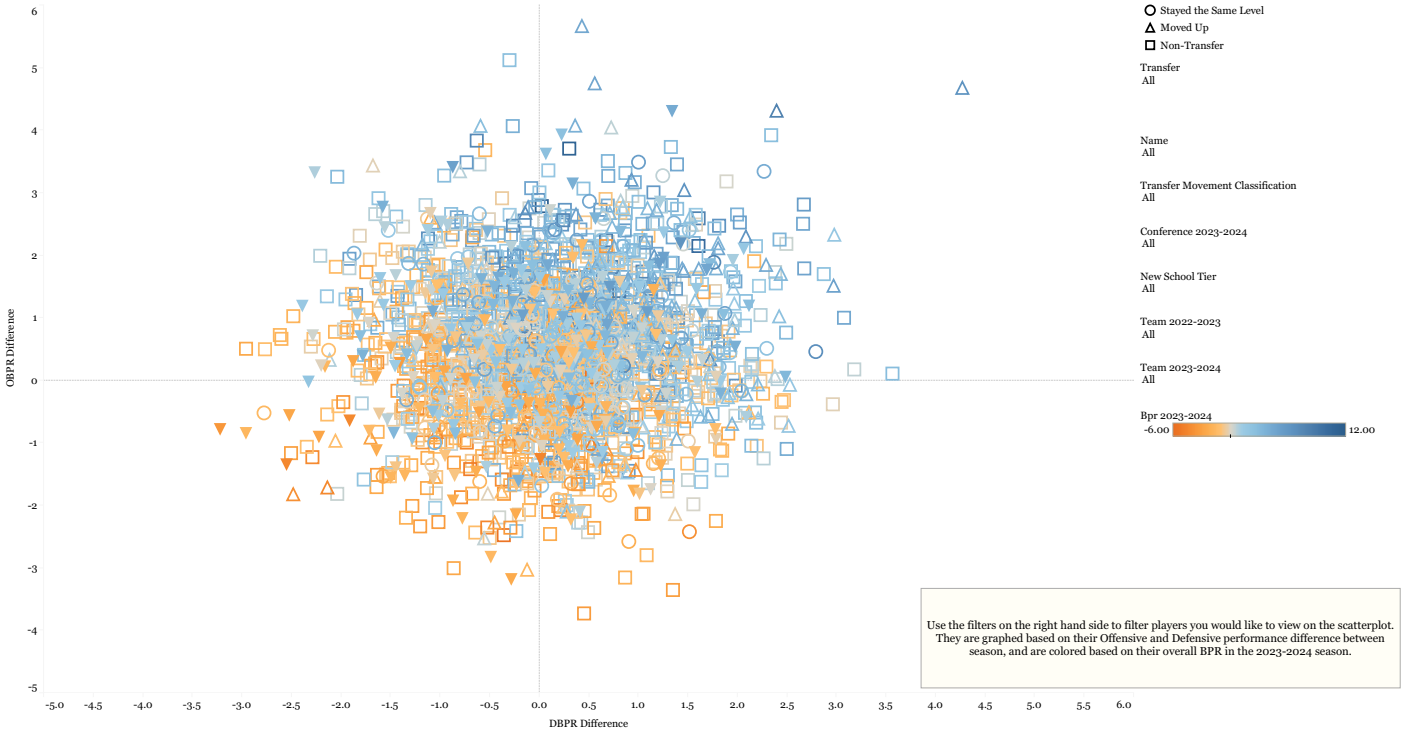
Wins by % of Roster Transfers | Wins by % of Roster Transfers: Power 6 vs Non-Power 6 | Coaches View: Box Score Stats | Coaches View: BPR | **Player BPR Scatterplot** | Non-Transfers vs Transfers | Non-Transfers vs Transfers to Same Tier | Transfers by Moved Up, Stayed the Same Level, and Moved Down | Transfers by Tier Change

Players by BPR Difference



Transfer Movement Classification
- ▼ Moved Down
- ○ Stayed the Same Level
- △ Moved Up
- □ Non-Transfer

Transfer
All

Name
All

Transfer Movement Classification
All

Conference 2023-2024
All

New School Tier
All

Team 2022-2023
All

Team 2023-2024
All

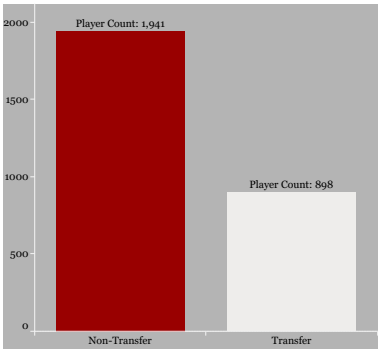
Bpr 2023-2024
-6.00 12.00

Use the filters on the right hand side to filter players you would like to view on the scatterplot. They are graphed based on their Offensive and Defensive performance difference between season, and are colored based on their overall BPR in the 2023-2024 season.

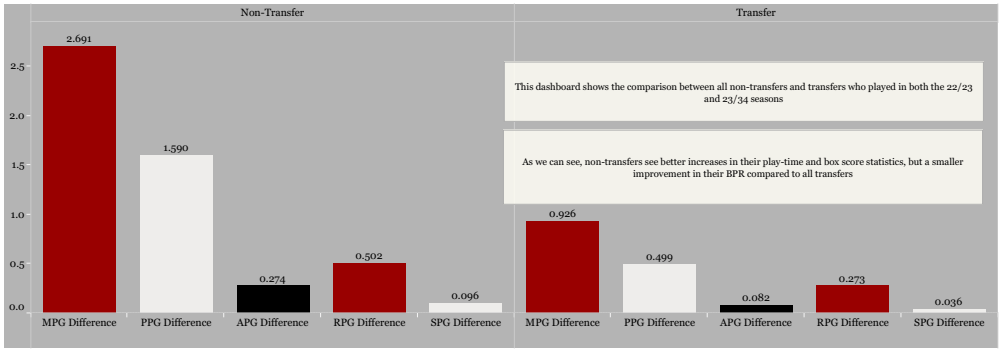
NCAA Men's Basketball Transfer Portal Study

Wins by % of Roster Transfers: Power 6 vs Non-Power 6 | Coaches View: Box Score Stats | Coaches View: BPR | Player BPR Scatterplot | Non-Transfers vs Transfers | Non-Transfers vs Transfers to Same Tier | Transfers by Moved Up, Stayed the Same Level, and Moved Down | Transfers by Tier Change | Did Player BPR Improve after Transferring?

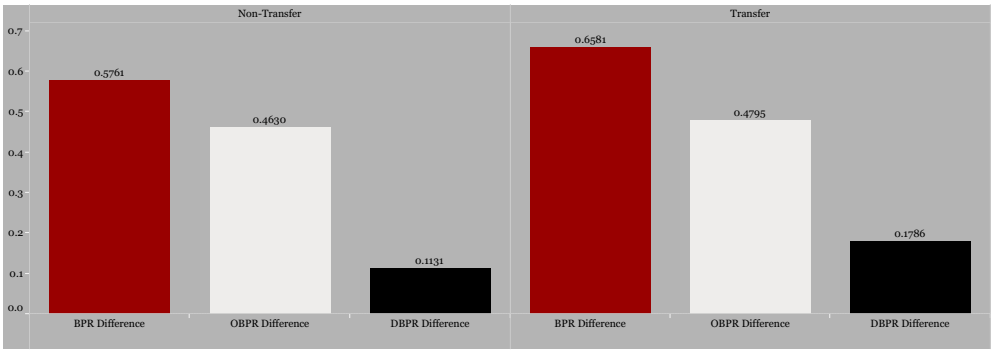
Player Count



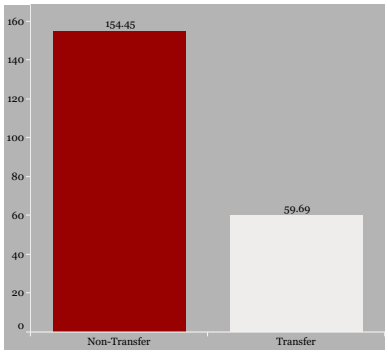
Non-Transfers vs Transfers: Box Score Stats



Non-Transfers vs Transfers: BPR Difference



Possessions Difference



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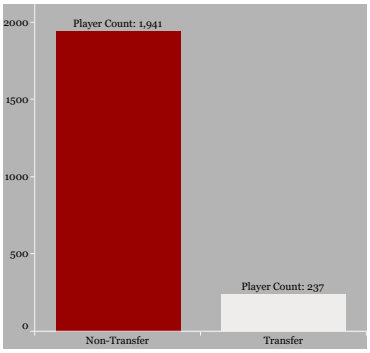
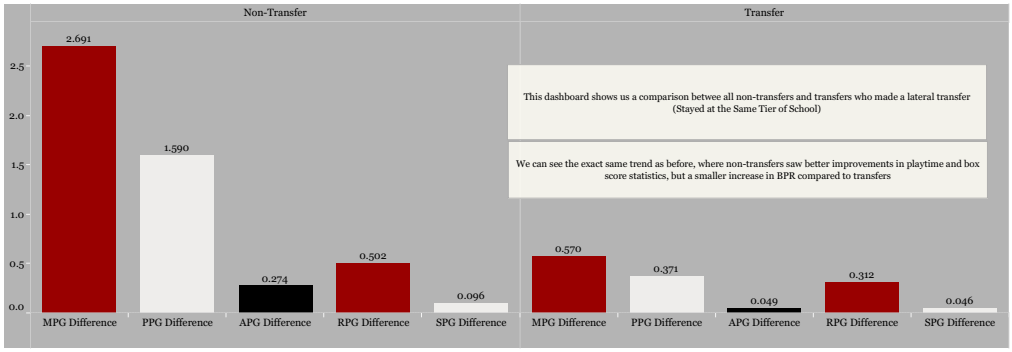
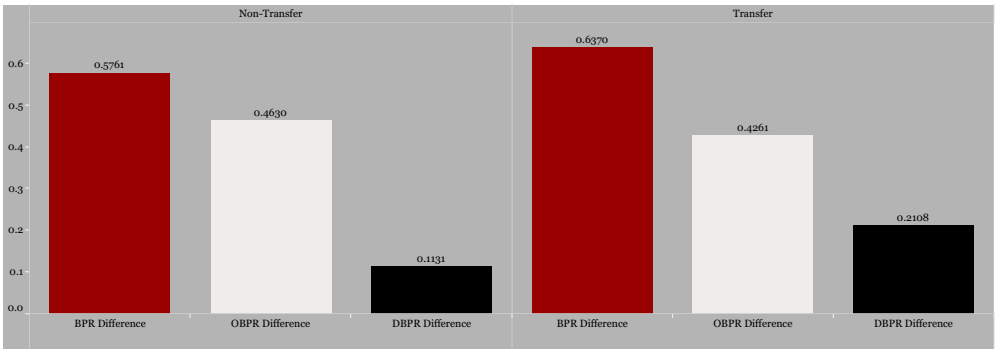
Player Count



Non-Transfers vs Transfers to Same Tier: Box Score Stats



Non-Transfers vs Transfers to Same Tier: BPR



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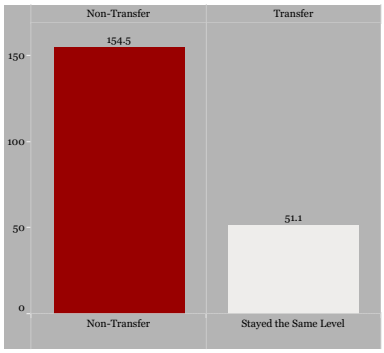

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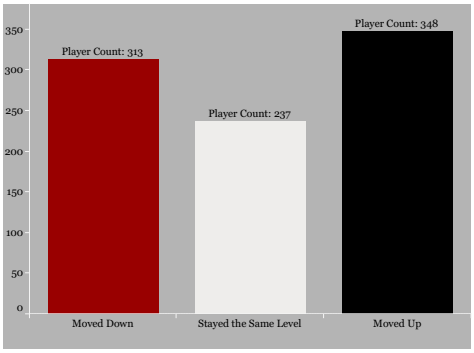
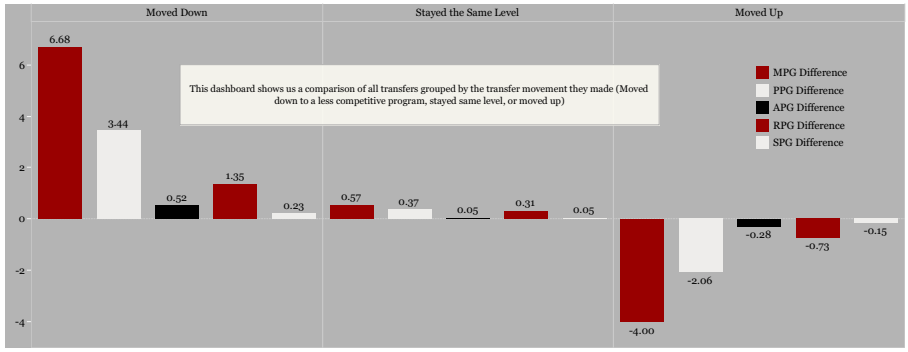
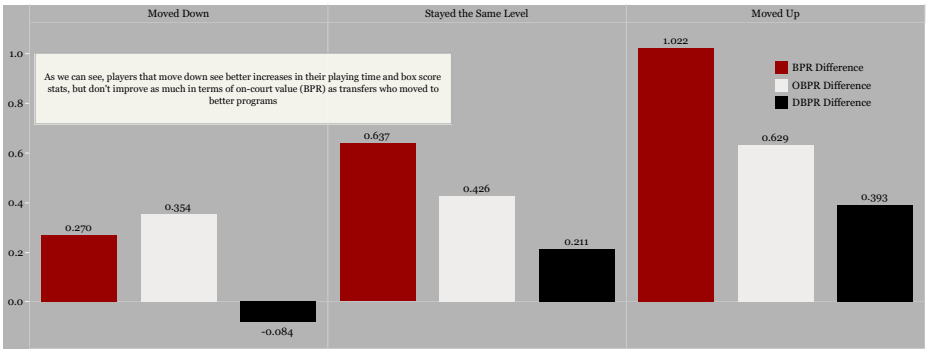
Player Count



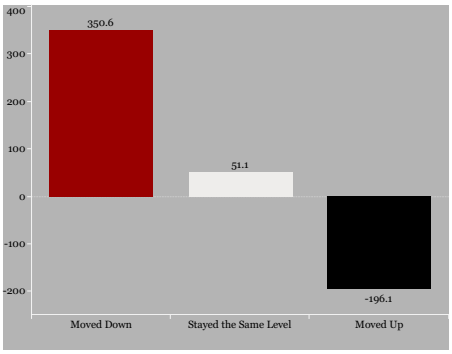
Transfer Movement by Grouping: Box Score Stats



Transfer Movement by Grouping: BPR



Possessions Difference



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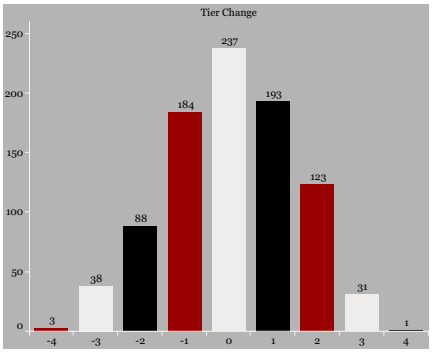
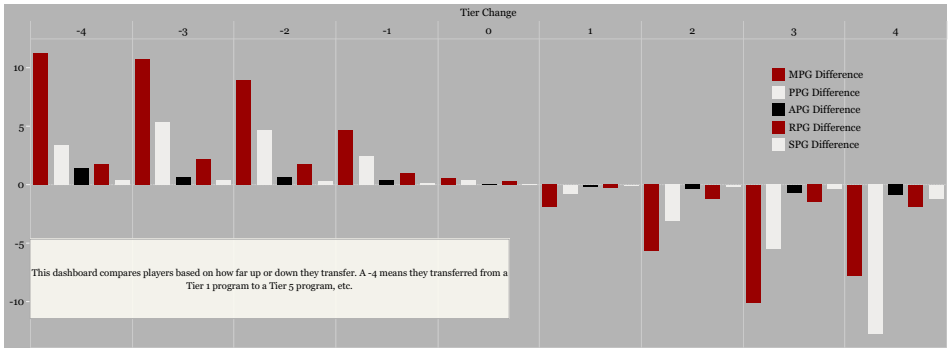
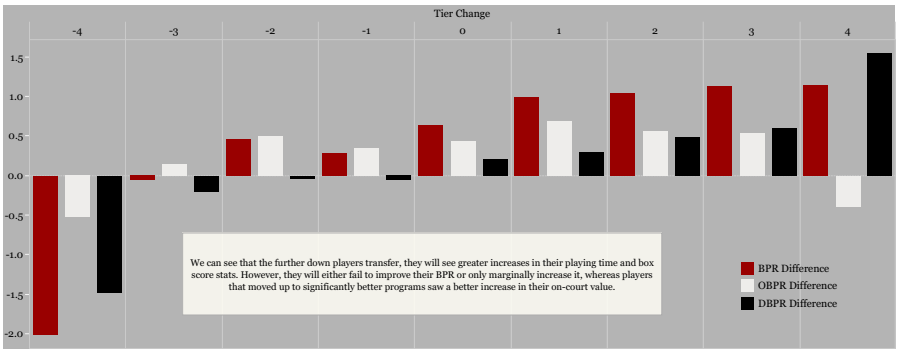
Player Count



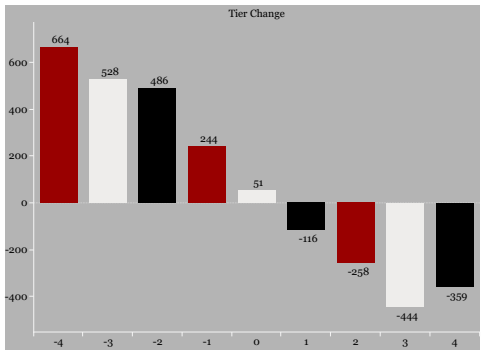
Transfers by Tier Change: Box Score Stats



Transfers by Tier Change: BPR



Possessions Difference



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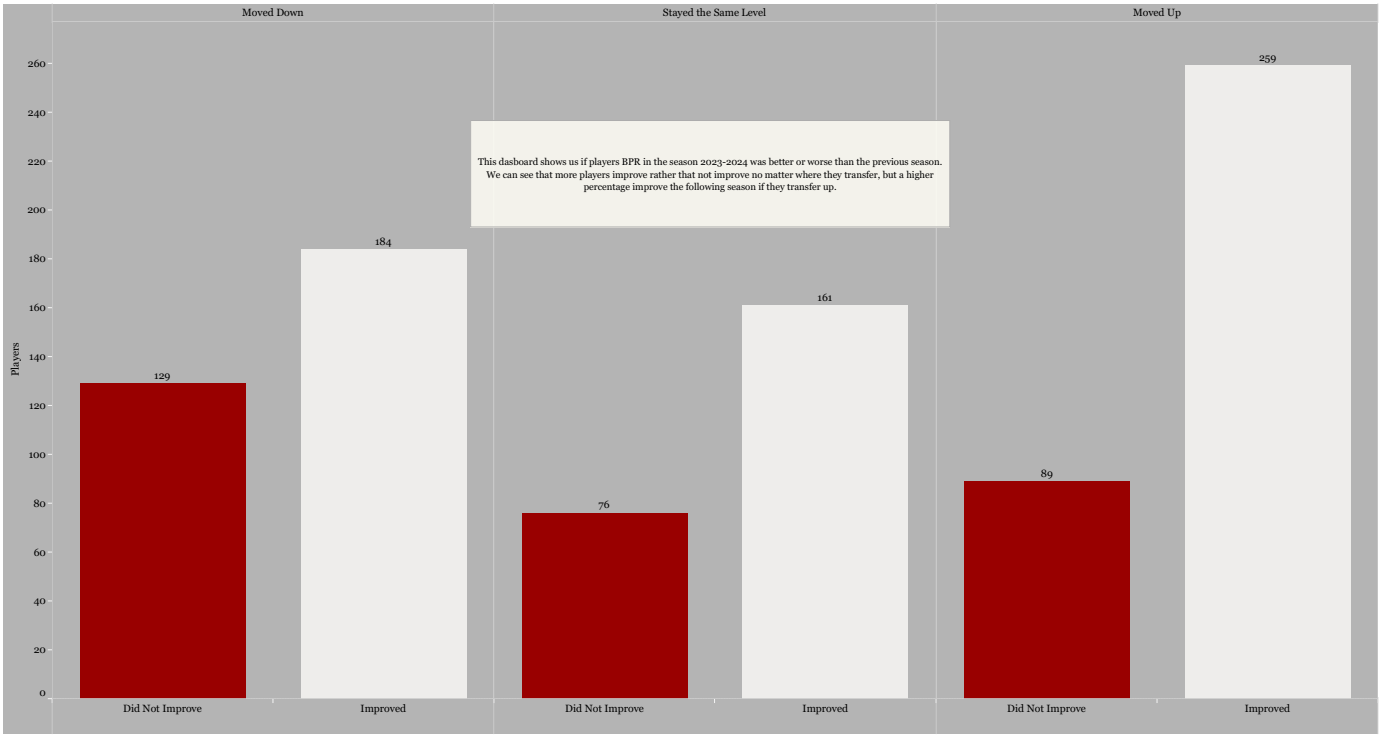
Did Players Improve After They Transferred?



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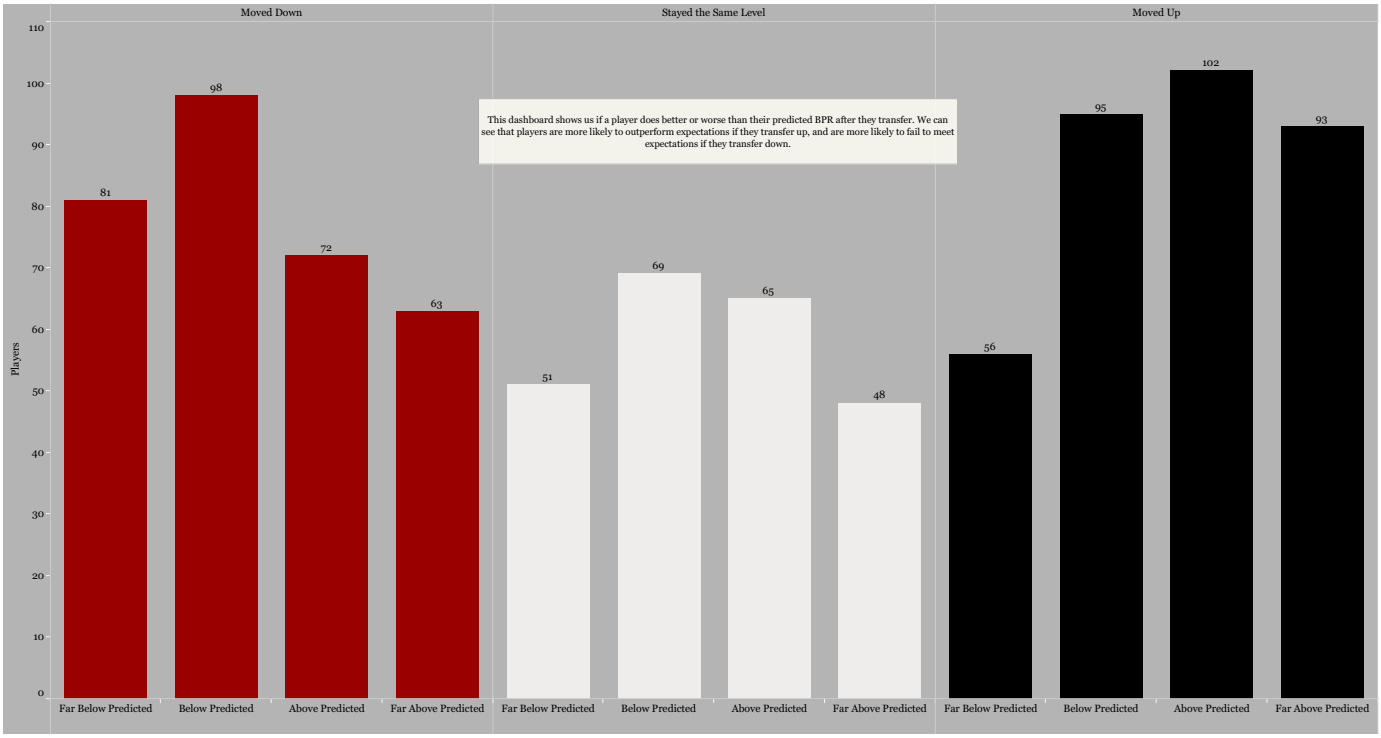
Performance Vs Prediction