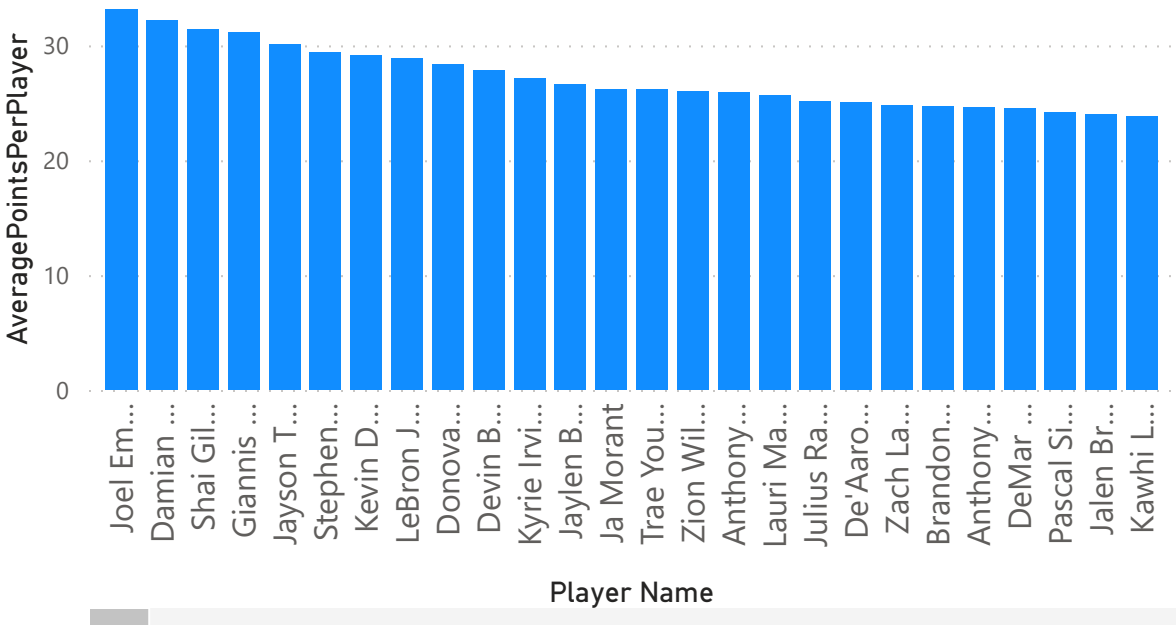
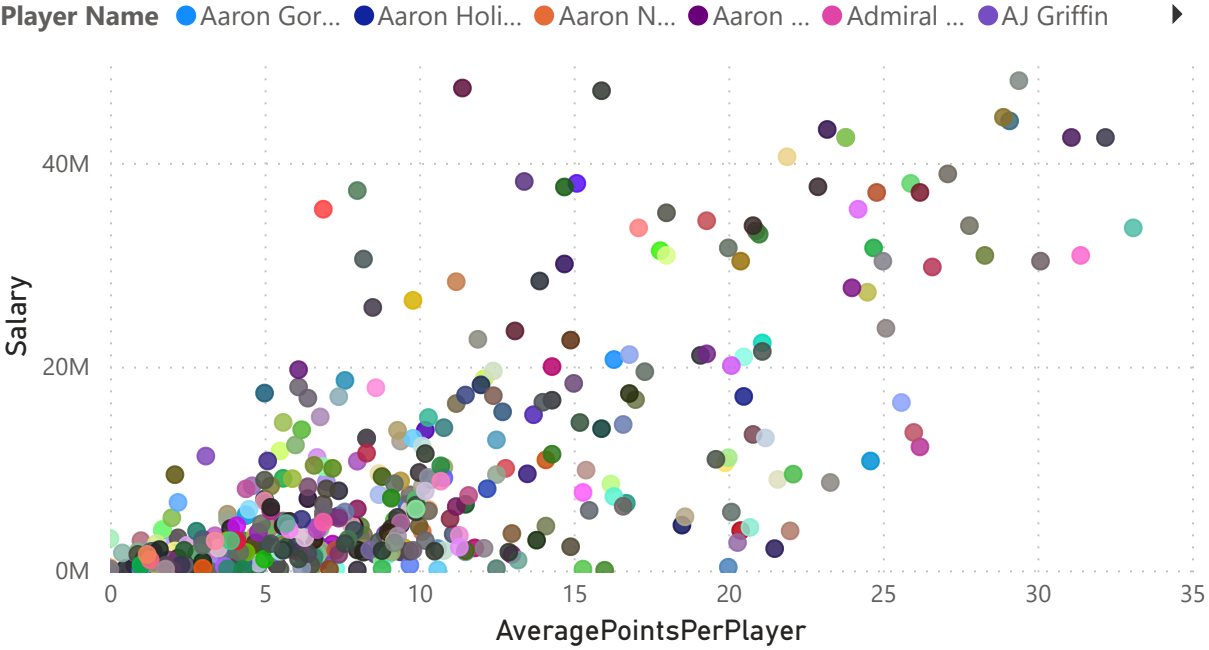


Average Points Per Player



Salary and Points Comparison By Player



AST_TO_Ratio	Player Name	Sum of AST	Sum of TOV	Position
7.50	Dru Smith	1.50	0.20	SG
6.00	Jeff Dowtin	1.20	0.20	PG
6.00	John Butler	0.60	0.10	C
5.78	Tyus Jones	5.20	0.90	PG
5.33	Cody Martin	1.60	0.30	SF
5.30	Monte Morris	5.30	1.00	PG
5.25	Kemba Walker	2.10	0.40	PG
5.00	Al Horford	3.00	0.60	C
5.00	Kevon Looney	2.50	0.50	C
5.00	Kobi Simmons	1.00	0.20	SG
5.00	Shaquille Harrison	6.00	1.20	SG
4.88	Skylar Mays	8.30	1.70	PG
4.68	Chris Paul	8.90	1.90	PG
4.47	Mike Conley	6.70	1.50	PG
1.89		984.30	520.30	

16.05	George Hill	PG-SG
AvgPPGByPosition	Player Name	Position
16.05	Kyrie Irving	PG-SG
AvgPPGByPosition	Player Name	Position
12.10	Matisse Thybulle	SF-SG
AvgPPGByPosition	Player Name	Position
12.10	Mikal Bridges	SF-SG
AvgPPGByPosition	Player Name	Position
11.75	Patrick Beverley	SG-PG
AvgPPGByPosition	Player Name	Position
11.75	Spencer Dinwiddie	SG-PG

## Final Project

Nicole Miller

For my final project I choose to use a dataset that shows data on NBA players years 2022-23 and their own specific attributes. These attributes included salary, team, points and many more indications that are used to measure a player through out games. This dataset can be found from kaggle: [https://www.kaggle.com/datasets/jamiewelsh2/nba-player-salaries-2022-23-season?rvi=1&select=nba\\_salaries.csv](https://www.kaggle.com/datasets/jamiewelsh2/nba-player-salaries-2022-23-season?rvi=1&select=nba_salaries.csv). Using this data I wanted to answer three questions: 1. What was the average points per player. 2. How did the avg points per player effect how much they were paid salary wise. 3. Try to understand if the position a player had also attributed to how many points they were able to score. I included one last question also, what was the assist to turnover percentage per player to measure their efficiency in playmaking. For the first question I created a bar chart in order to compare each player. I discovered the player with the most avg points was Joel Embidd for last years season. For the second question I created a scatter plot to compare the avg points made to how much their salary was. It was interesting to see that the highest paid was Stephen Curry but he was not the player with the most points. It made me start to think why could that be. I actually discovered that golden state had a higher cap space then the 76ers. For the third question I created a table to show the assist to turnover rate from highest to lowest. I discovered that Dru Smith had the highest percentage. This showed me that even though he might not had the most points, he was the most efficient player with assisting to get the ball back and actually score; still making him a very valuable player. Lastly for my own curiosity, I created a multi car to compare avg points by position. I found out that majority of the low percentage came from centers, and the highest came from Point guard. In conclusion, I discovered that how many points a player shots doesnt matter when it comes to salary. It matters more so their position on the team and also the teams cap limit. I also discovered that depending on the position a player has their shooting percentage can effect it but their assist to turnover ratio can show their efficiency vs the number of shots.

What I learned from this project was that its important to pick your dataset strategically. I had to switch out the dataset multiple times because it was lacking some sort of data and it was not fully cleaned. A non fully cleaned dataset can cause major issues.

- 1.AvgPPGByPosition = `CALCULATE( AVERAGE(nba_salaries[PTS]), ALLEXCEPT(nba_salaries, nba_salaries[Position]))`
- 2.AST\_TO\_Ratio = `DIVIDE( SUM(nba_salaries[AST]), SUMX(nba_salaries, nba_salaries[TOV]))`
- 3.AveragePointsPerPlayer = `CALCULATE( AVERAGE(nba_salaries[PTS]), ALLEXCEPT(nba_salaries, nba_salaries[Player Name]))`
- 4.AvgPPGByPosition = `CALCULATE(AVERAGE(nba_salaries[PTS]),ALLEXCEPT(nba_salaries, nba_salaries[Position]))`