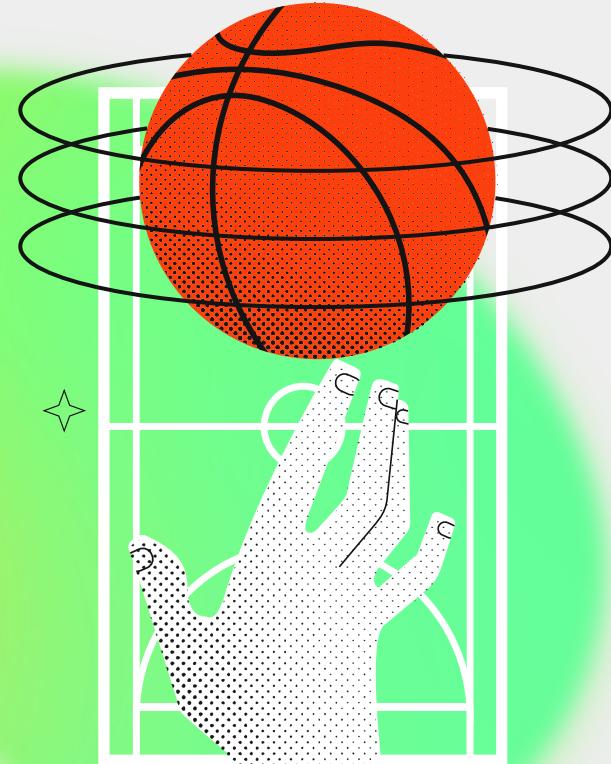




# NBA Rookie Analysis by Rookie Data Analysts



# Data Collection



**BALLDONTLIE API**

Scrape historical NBA data from 1980 season to present using function to bypass data limits while updating on a nightly basis at 12AM PST



**Upload to S3 Bucket**

Following each nightly update, the new player stats from that day will be added to S3



# AWS Workflow



The data pulled from the API is stored in an S3 bucket.



Will be used to build out ML models to measure a rookie's strengths, weaknesses, and potential for different positions.



Updates the data everyday at Midnight PST.

Concatenate new data and rewrite the old .csv.

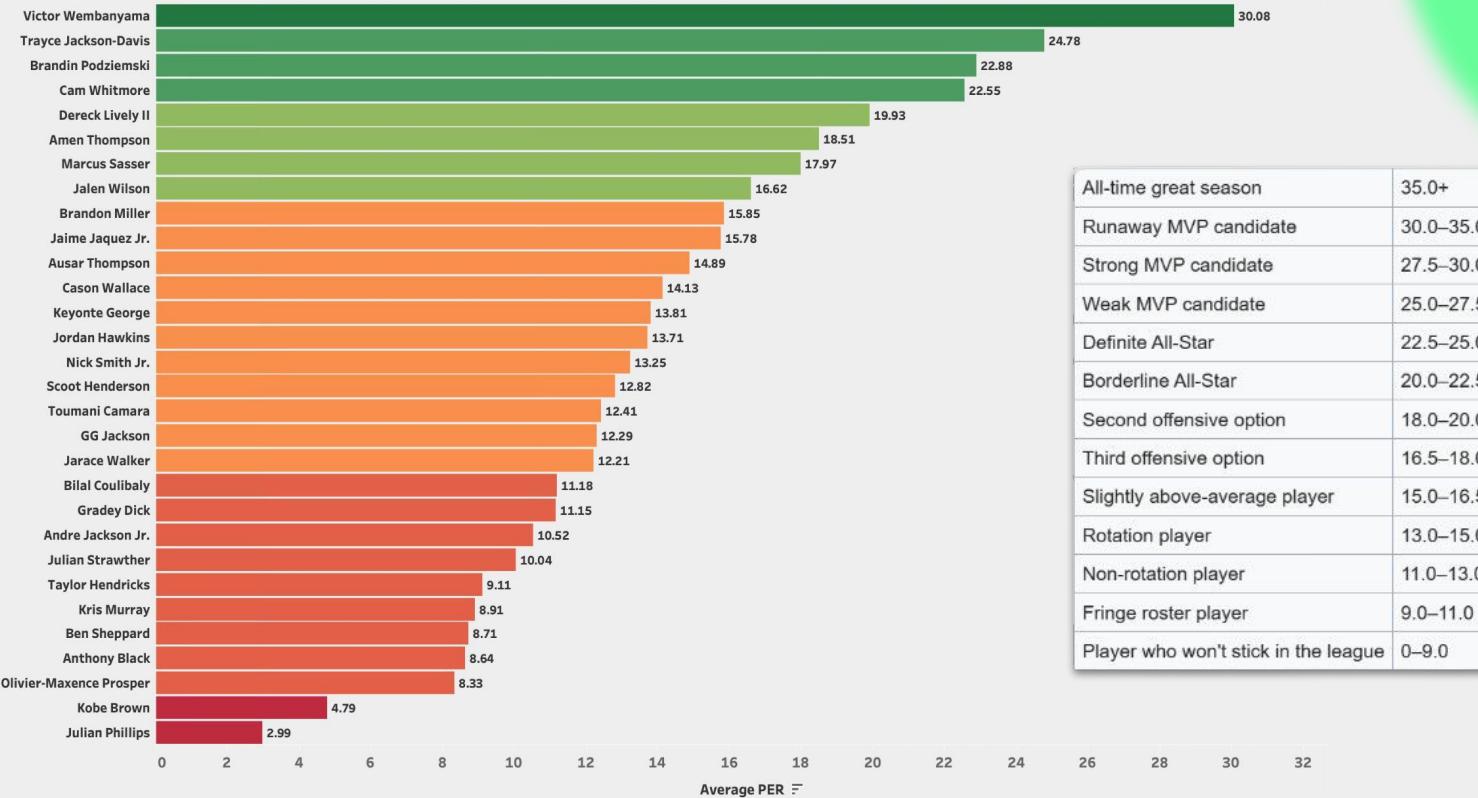


# How Can We Evaluate Rookie Efficiency?

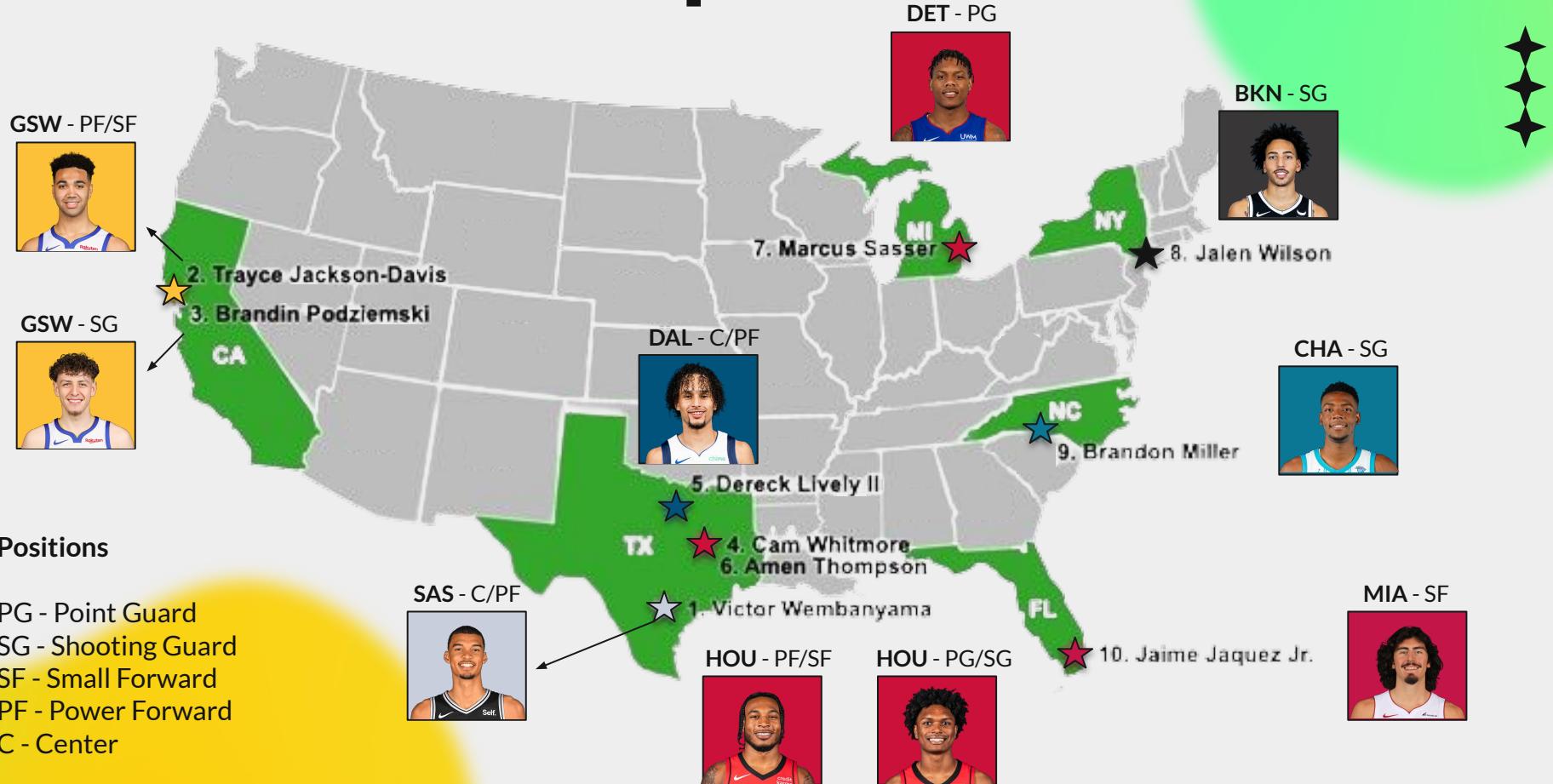
[  
+FGM \* 85.910  
+Steals \* 53.897  
+3PTM \* 51.757  
+FTM \* 46.845  
+Blocks \* 39.190  
+Offensive\_Reb \* 39.190  
+Assists \* 34.677  
+Defensive\_Reb \* 14.707  
-Foul \* 17.174  
-FT\_Miss \* 20.091  
-FG\_Miss \* 39.190  
-TO \* 53.897]  
\*(1/Minutes)

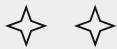


# PER - Player Efficiency Rating



# Rookie Tracker: Top 10





# Taking our Analysis 2 steps further, not 3

Real-Time Rookie of the Year Projections

Rookie vs. Veteran Comps



# THANKS!

