

Hidden Hoopers

A SCOUTING LENS FOR THE TRANSFER ERA

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Agenda

THE CHALLENGE

THE SOLUTION

DATASET & CLEANING

TECH STACK

DEMO TIME

WHY THIS MATTERS

WHAT'S NEXT

The Challenge

In the era of transfer-heavy rosters, how do you identify teams with breakout potential despite massive roster turnover?

Traditional scouting misses

- Teams with low returning minutes
- Quiet transfer activity without hype
- High-efficiency metrics overshadowed by rebuilding status



The Solution

Hidden Hoopers - Scouting Tool

An interactive web app to filter teams based on:

- Transfers
- AdjOE / AdjDE Efficiency
- Returning Minutes
- Tempo & other key stats

Designed for GMs and coaching staff to surface **undervalued programs** worth scouting

Dataset & Cleaning

Source:

T-Rank Preseason Transfer Data –
BartTorvik.com

Fields used:

- Team name
- Returning Minutes & Possessions
- Adjusted Offense / Defense
- Transfers
- Tempo

Cleaning in Python:

- Removed header-in-data issues
- Converted % columns to float
- Parsed numerical ranks for AdjOE/AdjDE



Tech Stack

Data Handling	pandas
UI & Interactivity	streamlit
Hosting	Streamlit Cloud
Language	Python 3.x

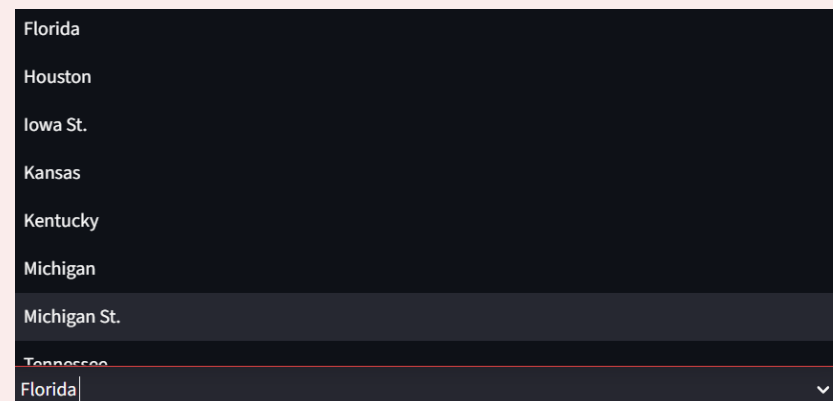
Demo Time

Key Features:

- Upload your own T-Rank CSV
- Interactive filters: transfers, minutes, efficiency
- Choose a team and view a detailed scouting summary

Live App:

basketball-analytics-project2-mauli-patel.streamlit.app



Florida

Houston

Iowa St.

Kansas

Kentucky

Michigan

Michigan St.

Tennessee

Florida

Hidden Hoopers: Transfer Portal Scouting Tool

Upload the **cleaned T-Rank CSV** to interactively scout teams based on transfer activity, returning minutes, and offensive/defensive potential.

Upload `trank_cleaned.csv`



Drag and drop file here

Limit 200MB per file • CSV

Browse files



trank_cleaned.csv 28.8KB



8 Undervalued Teams Found

Choose a team to scout:

Florida



Florida

-  Transfers: 167
-  Returning Minutes: 40.2%
-  AdjOE: 117.7 (Rank 260)
-  AdjDE: 92.3 (Rank 97)
-  Tempo: 60



Scouting Summary

Florida could be an under-the-radar breakout team this season with high efficiency potential and significant roster turnover.

Filter Criteria

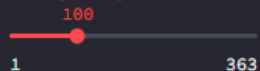
Minimum Transfers



Max Returning Minutes (%)



Top AdjOE / AdjDE Rank



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Scouting Summary

`Florida` could be an under-the-radar breakout team this season with high efficiency potential and significant roster turnover.

Why This Matters

For GMs:

- Understand transfer impact better
- Evaluate coaching staff performance
- Model team volatility and potential

For Coaching Staff:

- Spot “rebuild” teams with elite upside
- Schedule smarter
- Target smart transfer-prep
- Avoid getting caught off guard by sleepers

What's Next

Possible Improvements:

- Add individual player-level filtering
- Show portal targets and advanced metrics (usage, BPM, win shares)
- Integrate KenPom/BartTorvik API data live
- Scouting report PDF exports

Thank you

THANKS FOR THE OPPORTUNITY, NEEL!

LOOKING FORWARD TO EVOLVING THIS TOOL FURTHER.