Hypothesis → Transfer players who are able to maintain

~~or improve their game~~ after transfer are examples

of Successful Transfer.

Hypothesis b) Transfer players who produce certain statistics that help their new team win are considered successful transfers

Hypothesis (c ) - Players who were good additions to the team had similarities in certain statistics post-transfer.

**Hypothesis (ci)** - Transfer players who were good additions to their new team have similarities in successful individual and relative team performance.

Question: *What are the key indicators amongst transfer portal recruits that correlate with future performance of the same statistic and in-game team improvement?*

Construct 1: “Good Additions”

Construct 2: “successful individual performance”

Construct 3: “Successful relative team performance”

2 & 3 cause 1

Define relationship between 2 & 3 - Individual performance can be high but relative team performance depends on other team members.

You can meet construct 2, but it won’t necessarily translate to construct 3 BUT if you don’t meet construct 2, you definitely won’t meet construct 3

I.e. If a shape has four sides, two of which are parallel, meeting at four 90 angles, it has the chance to be a square, but may just be a rectangle. But if doesn't meet those criterion it definitely won’t be a square.

**Question 2:**

Construct 2 - We have data (all 42 features).

Construct 3 - We don’t have data (all 42 features and we need more).

Construct 1: We don’t have all features that correspond to Construct 1.We have to build this. Some available are - (OWS, DWS, WS)

**Question 3:**

Construct 3 - Scrape data from basketball reference/Kenpom to obtain team data for transfer players. From there, we can calculate the relative performance of the player.

Construct 1 - First determine the need of the team (source - verbal commits). Determine the “strength” they lost . Stats that they are losing.

We have to come up with a system/scale that determines which “Qualities” matter.  
  
Use Construct 2 & 3 to calculate the “Qualities” of transfer portal players and then suggest the correct pick.

**Question 4:**

All our features are ratio. They all have a scale of 0. (**Double-check - Zain**)

**Question 5 & 6:**

Show convergent- Discriminant validity (Use - Basketball.data in main folder)

**Question 7: Revisit this**

**Question 8:** Any assist, re-bound, steals, turnovers, and probably some more!

No real way to mitigate the bias as inspection is not possible. Mention standards/ guidelines.

**Question 9: Revisit this**

**Question 10:**

Construct 2,3 -

Not all game situations are the same**.**

Not playing in meaningful minutes. **(important playing time)**

If player stats are averaged out by player time, then does it matter?

**—---------------------------------**

Construct 1 - Inadequate preoperational explication of constructs

Interaction of different treatments - ~~More data for higher conference.~~

Interaction of different treatments - Athletes who can afford better training might be able to afford better technology. How will you tell the difference?

Conferences could have different styles of Play - Fast VS slow. Maybe try to include conference as a feature as a potential solution.