

CRASH THE BOARDS?

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WEDNESDAY, MAY 25, 2016

MCS 100

PROBLEM

**Should teams prioritize
pursuing offensive rebounds or
setting up transition defense?**

HOW WE WILL EXAMINE THIS PROBLEM

- **Gather data and choose statistics**
- **Estimate the (+) value of offensive rebounds & the (-) value of giving up fast break points**
- **Compare values to teams with outspoken strategies**
- **Fit a model to the relationship**
- **Trends in the NBA today**

STATS

- **Offensive rebounds per missed shot**
- **Transition points allowed per missed shot**
- **Definition of transition**
- **How this addresses lurking variables**
- **Selection of player by height**

BASIC CONCEPTS

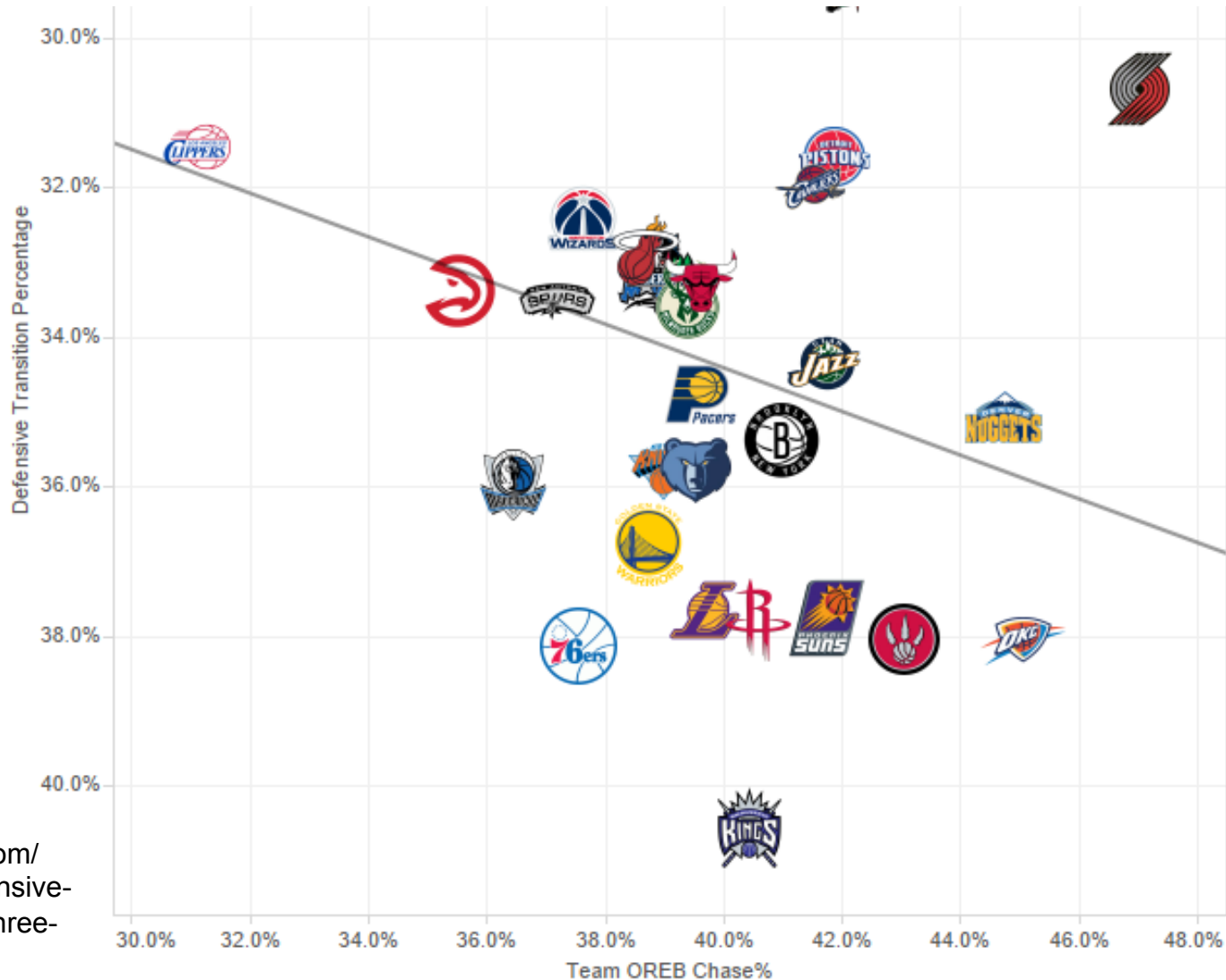
- **Offensive rebounds are good**
- **Allowing fast break points is bad**
- **Conflict of interest**

EVALUATING OUR STATS

- **Offensive rebounds per missed shot * # of shots
* 2nd chance points * overall FG average**

- **Allowed fast-break points per missed shot *
Opponent defensive rebounds per 100
possessions * # of shots**

WHO'S DOING IT RIGHT (OR WRONG?)



Source: <http://nyloncalculus.com/2016/01/06/offensive-rebounds-and-three-pointers/>

NOTABLE COACHES

Gregg Popovich



O-Rebounds (pms) = 10.07
Fast-break points allowed (pms) =
12.15

Billy Donovan



Offensive rebounds (pms) = 13.5
Fast-break points allowed (pms) =
13.23

Do teams with a higher number of offensive rebounds (per miss) allow more points in transition (per miss)?

INFLUENCE ON THE NBA

- **Current trends**
- **Factors real teams might consider**
- **Lurking variables: position, mismatch, height**

CRASH THE BOARDS?

- **Not so clear – success both ways**
- **More analysis should be done on the issue**
- **Flaws in our analysis**
- **Too broad?**

Questions?