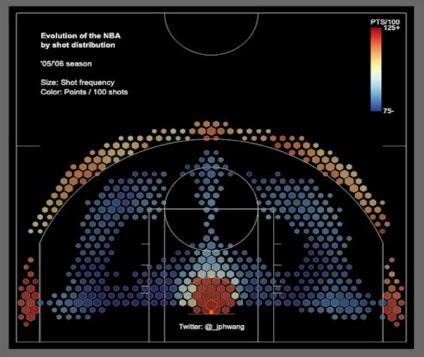
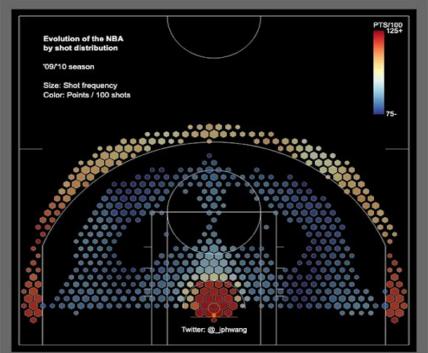
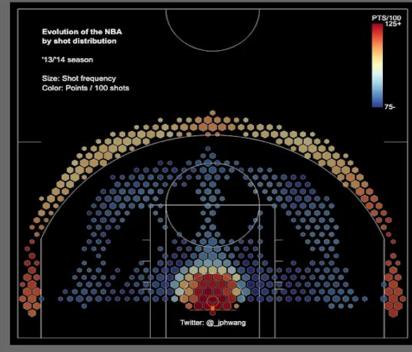
# NBA Draft Combine Metrics

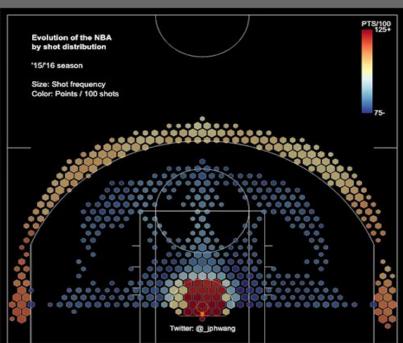
Ben Braynin, Dylan Nguyen, Sai Khushal Dulam, Elliot Thom, Tejhas Annamalai

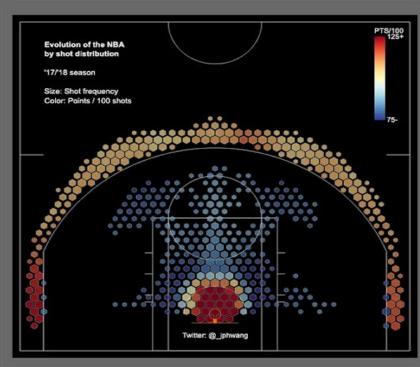


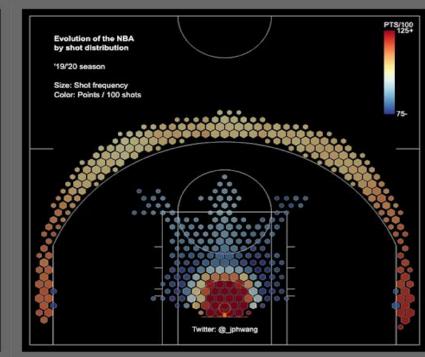










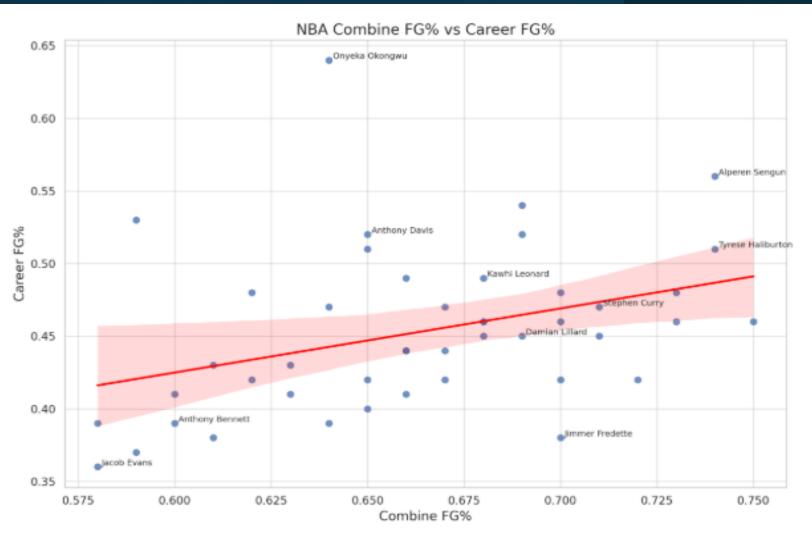


### Success





### NBA Combine VS Career FG%



https://www.basketball-reference.com/leaders/



### BPM (Box Plus/Minus)

• Box Plus/Minus (BPM) is an advanced basketball stat that estimates how much a player contributes to their team's performance per 100 possessions, compared to a league-average player (defined as 0.0).

#### BPM combines the following box score stats:

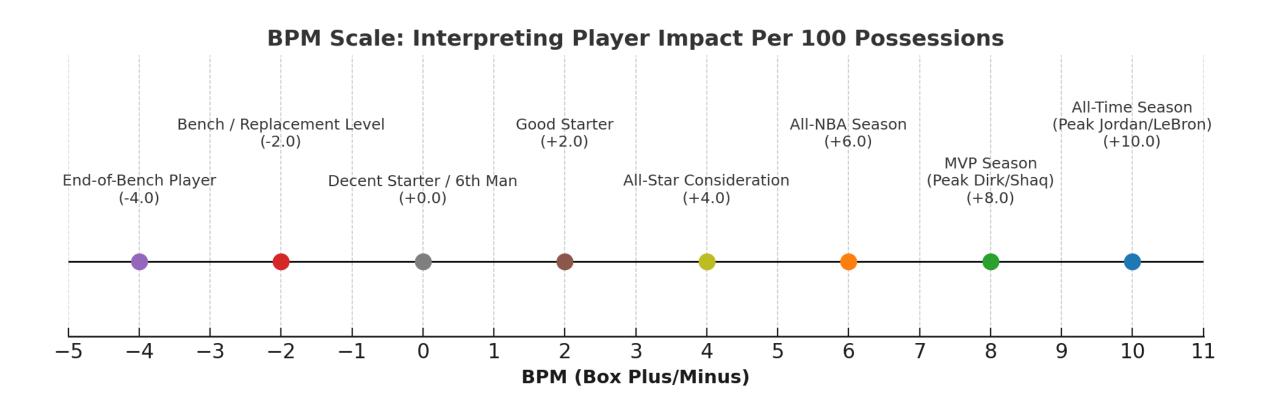
- Points, Assists
- Rebounds (offensive and defensive)
- Steals
- Blocks
- Turnovers, Personal fouls
- Field goal attempts and makes
- Free throw attempts and makes
- Three-point attempts and makes

#### It also factors in:

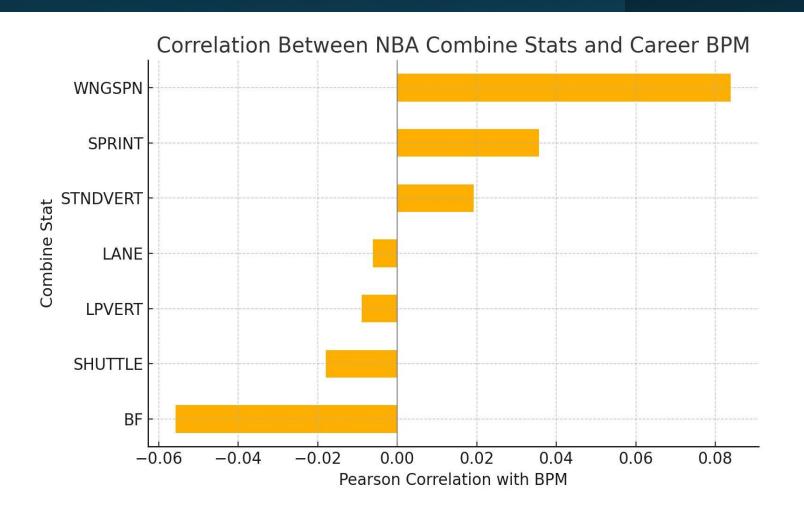
- Player's position
- Team performance while on court
- Pace and context of play



### High BPM = High Impact



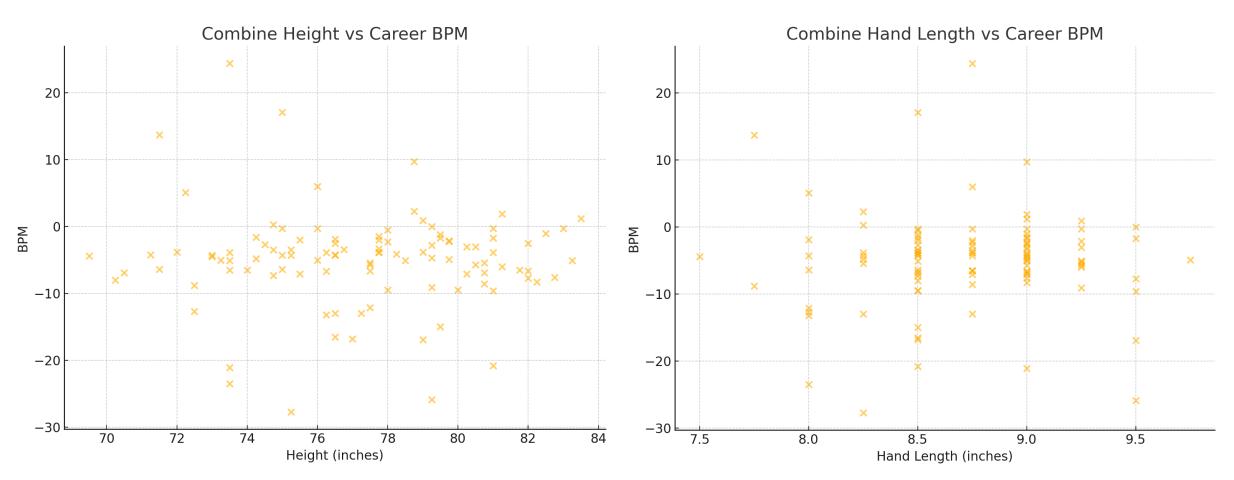








### Insignificant BPM Combine Metrics

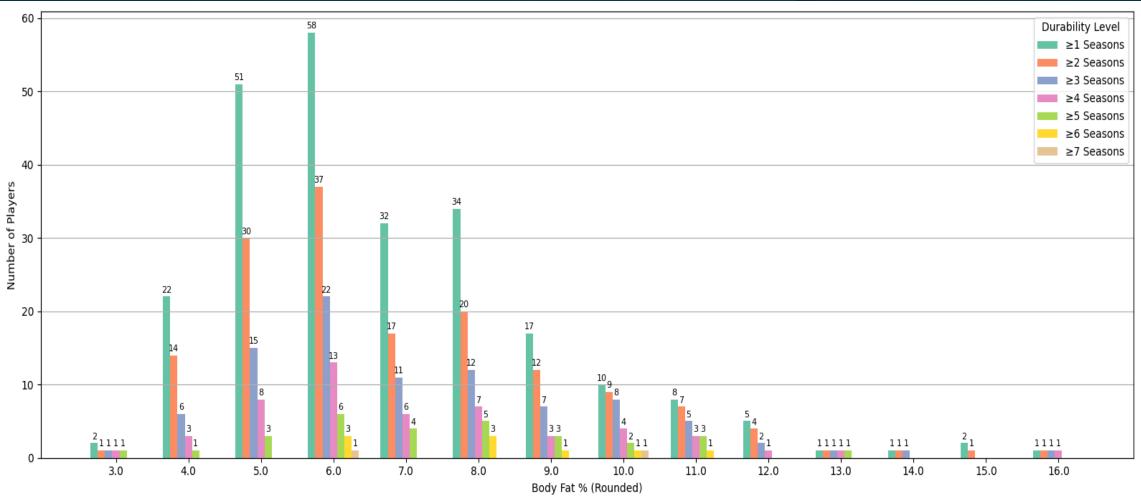


### Durability





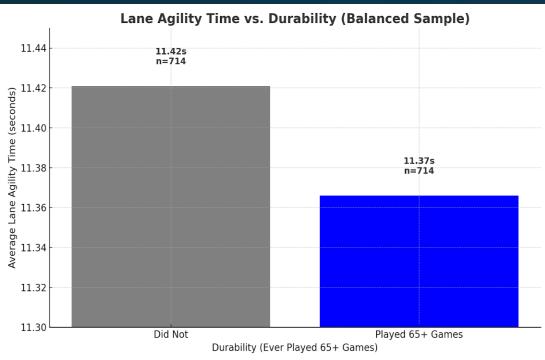
## NBA Combine Body Fat % Compared to Seasons with 65+ Games Played

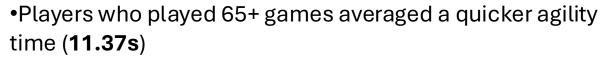


https://www.nba.com/stats
https://www.basketball-reference.com/leaders/bpm\_career.html

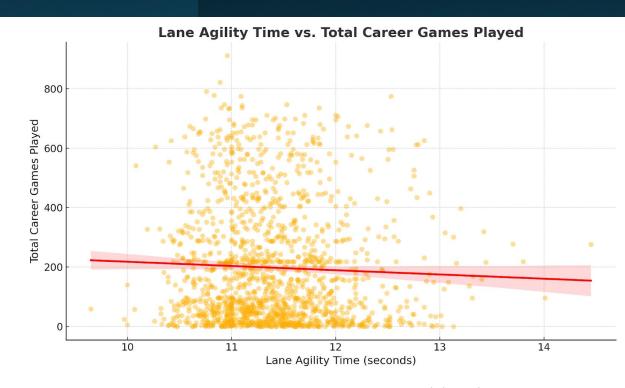


### Tane Agility Drill





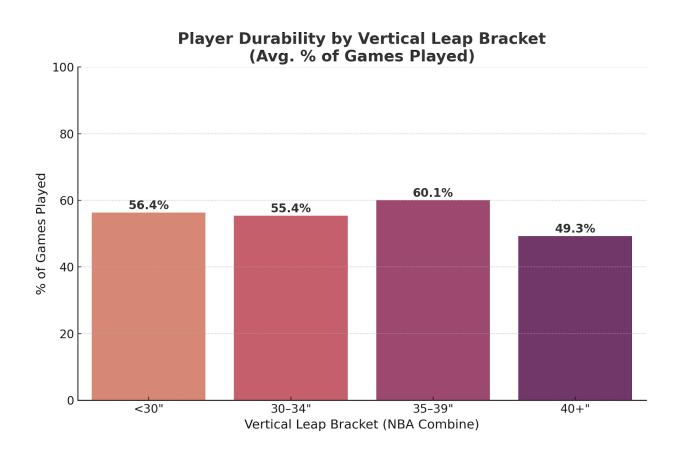
- •Less durable players averaged slightly slower (11.42s)
- •Sample size was balanced across both groups (n = 714 each)



- A clear downward trend: slower agility linked to fewer total career games
- Most durable careers clustered in the 10.8–11.5s agility range



## 🏀 Vertical Leap

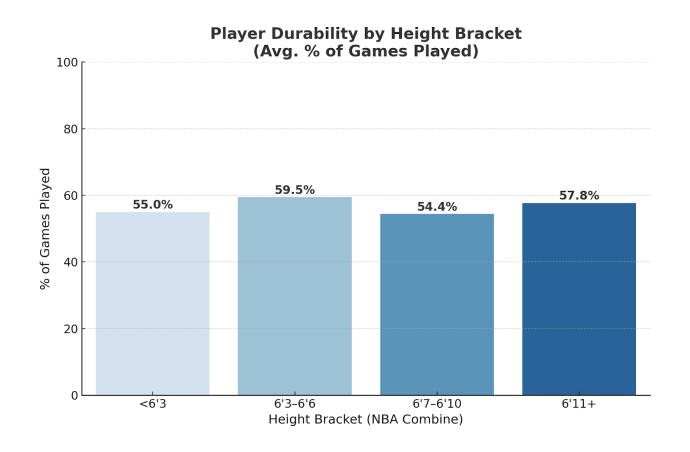


- •Players with 35–39" verticals showed the highest availability (**60.1**%)
- •Lower jumpers (<30" and 30–34") averaged around **55**%
- •The Highest jumpers (40"+) had the lowest availability (49.3%)

Data Suggests there's an **optimal zone**, correlating with higher durability clusters.







- •6'3–6'6 players were most consistently available (**59.5**%)
- •Tallest group (6'11+) followed at **57.8%**
- •Shorter and mid-tall players averaged closer to **54–55**%

Height may still relate to career length — just not yearly availability





### Longevity





### Longevity = Success + Durability

### **Success Metrics**

- Shooting Drills FG%
- Wingspan
- Three-Quarter Court Sprint

### **Durability Metrics**

- Body Fat %
- Lane Agility Drill
- Vertical Jump



### Longevity Players



Stephen Curry 6.46 BPM, 577 Games Played 71% Combine FG 5.7 BF Percentage (5th)



James Harden 6.34 BPM, 671 Games Played 3.13 Three-Quarter Sprint (2nd) 37" Vertical (5th)



Kevin Durant 6.42 BPM, 507 Games Played 88.75" Wingspan (1st) 6.6 BF Percentage (12th)

Thank you

