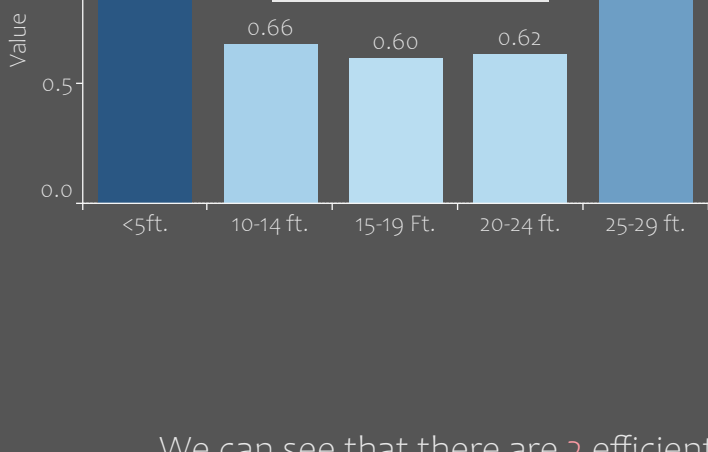


Kyle Lowry: Efficiency Machine

Question: What are the most **efficient** shots in basketball?

NBA Average Expected PTS by distance



This chart shows the **average** **points** NBA players score at certain distances from the basket.

We can see that there are 2 efficient areas to score on a court:

-**next** to the **basket** (dunks, layups)

-at the **3 point line** (>23 ft)

We can add one more: **free throws**

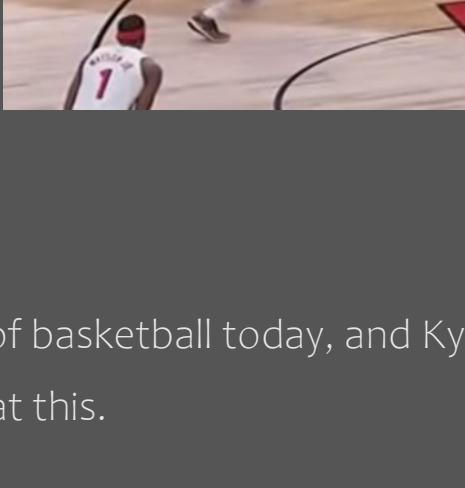
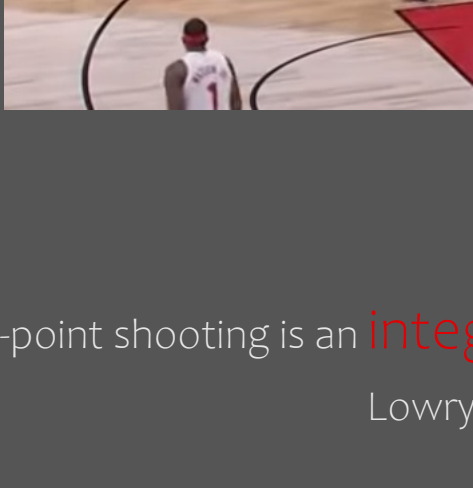
Therefore, NBA players will shoot most of their shots from **under 5 feet**, at the **3 point line**, and at the **free throw** line.

3-Point Shooting

Not only are 3-pointers more **efficient**, they also **open up** the court.

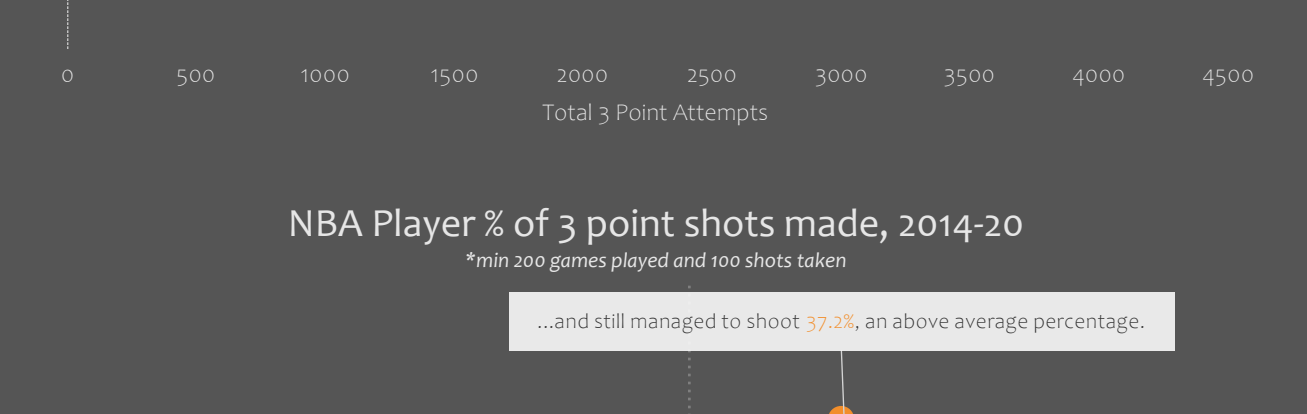
Defenders run to defend the 3-point shooter...

...opening up space to pass or drive to the basket.



3-point shooting is an **integral** part of basketball today, and Kyle Lowry **excels** at this.

NBA Player 3-point attempts, 2014-20



NBA Player % of 3 point shots made, 2014-20

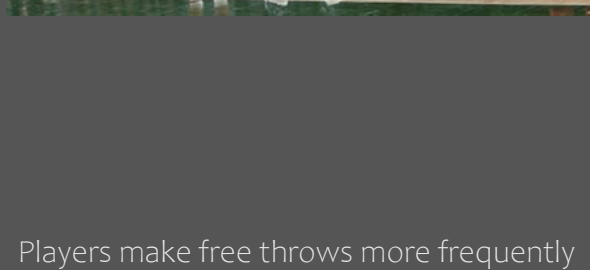
*min 200 games played and 100 shots taken



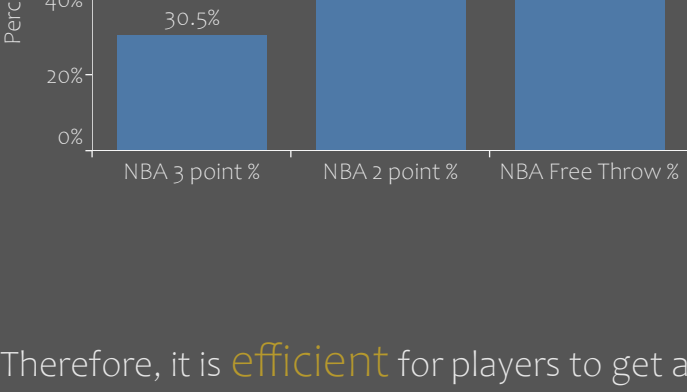
Free Throws

Free throws are another efficient way of scoring.

When a player is hit and fouled while they are shooting, they can take 1-3 free throws from the free throw line, 15 feet from the basket.



Average League shooting by shot type



Players make free throws more frequently than jump shots. Between 2013-2020, basketball players made **74 %** of their **free throws**, as opposed to **49%** of their **2-point shots** and **30.5%** of their **3-point shots**.

Therefore, it is **efficient** for players to get as many shooting fouls as they can and shoot free throws.

Kyle Lowry was great at getting fouls and scoring free throws. He averaged **5** free throws per game while making **83%** of them.

Free Throw Attempts (FTA) per game



Free Throw% per game



True Shooting Percentage

Traditionally, Points per Game (PPG) was used to show how well a player could score, but it didn't show how **efficiently** they scored.

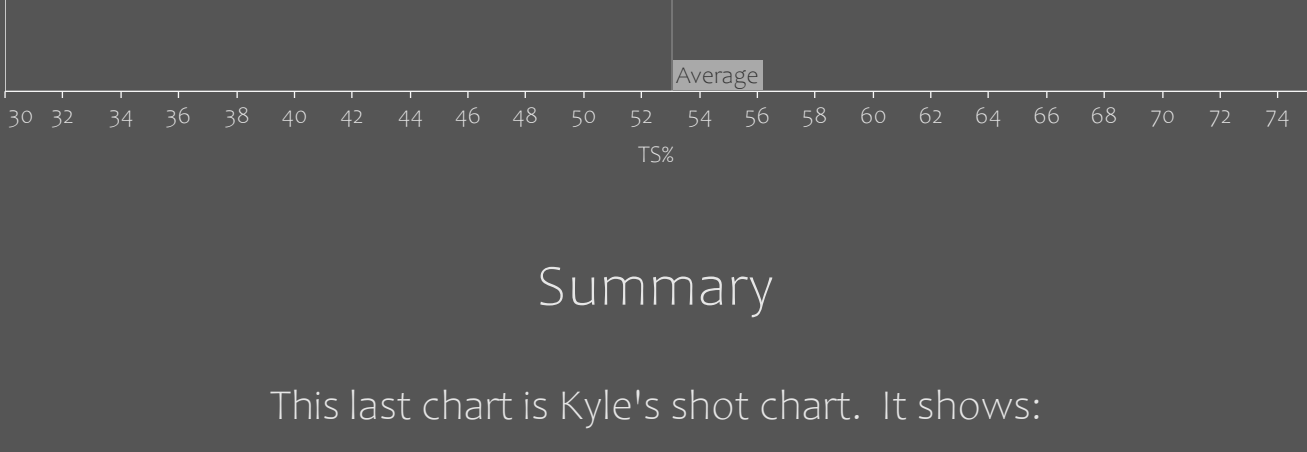
One way to gauge the effectiveness of a player's shooting was by measuring their **True Shooting percentage**.

True Shooting percentage, or TS%, measures how **efficient** a player is at shooting the ball. It incorporates **2-point shooting**, 3-point shooting and **free throw shooting** into its formula.

From the stats, we can see that **Kyle Lowry** was one of the more **efficient** shooters in the league.

NBA Player True Shooting percentage, 2014-2020

*min 200 games played

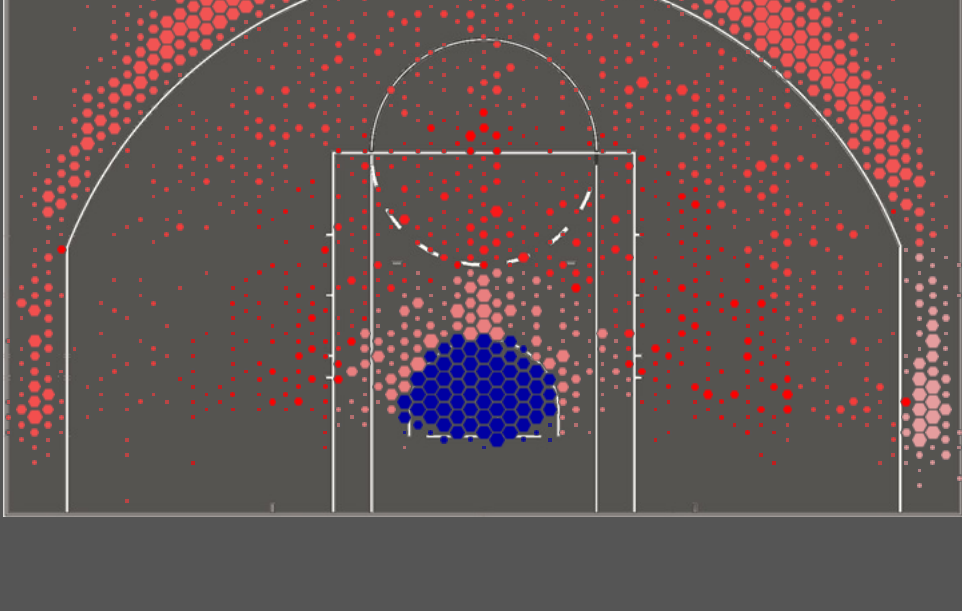
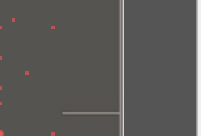


Summary

This last chart is Kyle's shot chart. It shows:

-the frequency of shots taken at specific points on a court..

Kyle Lowry's Shot Chart



Select Year
All

Efficiency by Location compared to league

Number of shots attempted