

# Getting Data & Exploratory Data Analysis

- We used datasets coming from Kaggle containing data of the past 18 NBA seasons
- Data cleaning
- Merging datasets
- Setting up our questions and hypotheses
- Instead of using plus/minus or other performances indicators we decided to build our own performance indicator score based on Draft Kings NBA's scoring

Is there a significant difference in player performance when playing Home vs Away?

**Ho:** There is no differences between players performances when they play at home or when they play away.

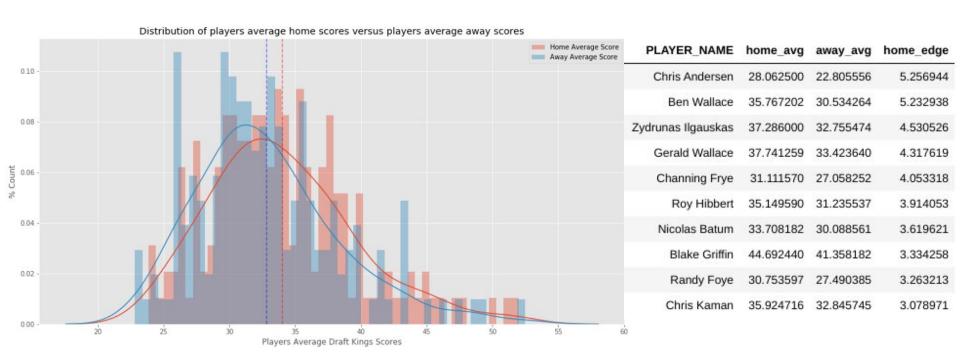
**Ha:** Players performances are different when they play home vs when they are away

**Daily Percentage Return:** 

((Close - Open)/Open) \* 100

Test used: Two sample T-Test

#### Is there a significant difference in player performance when playing Home vs Away?



### Question 1 Bis

Is there a significant difference in Gerald Wallace performances when he plays at Home versus when he plays Away?

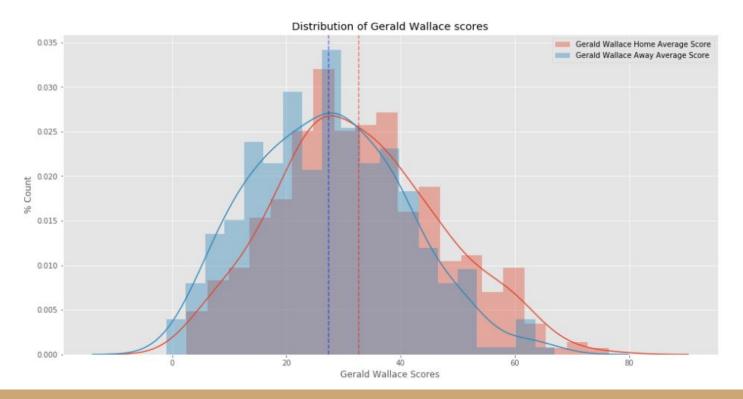
**Ho:** There is no differences between Gerald Wallace performances when he play at home or when he play away.

**Ha:** Gerald Wallace performances are impacted by whether he is playing home or away

**Test used: Two sample T-Test** 

## Question 1 Bis

Is there a significant difference in Gerald Wallace performances when he plays at Home vs Away?



### Question 1 & 1 Bis be like:

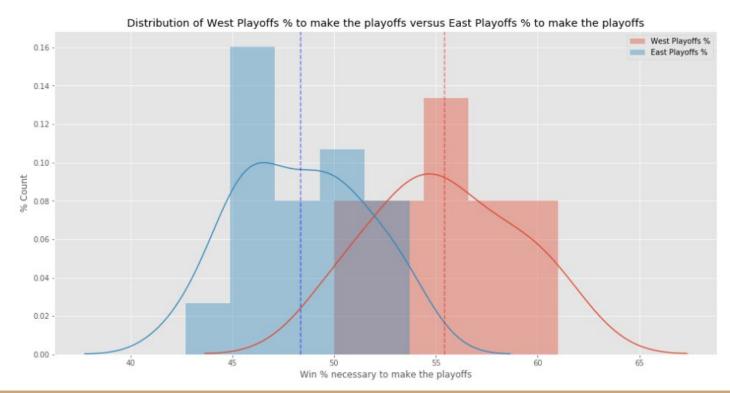


We cannot reject the null hypothesis that players are more efficient when they play home compared to when they play away.

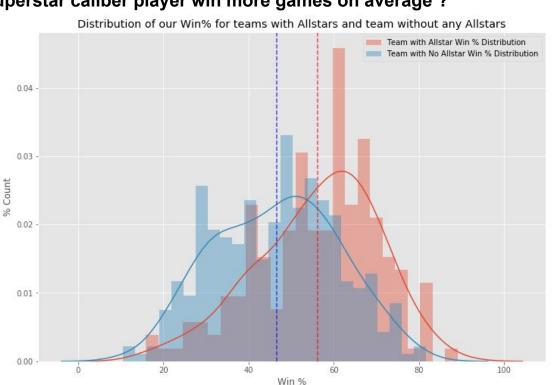
#### **BUT**

We can reject the null hypothesis that a specific player can play significantly better when he is playing at home.

Is it easier for teams playing in the East to make the playoffs?



#### Do teams with one superstar caliber player win more games on average?



# Questions and Answers

