



# The Evolution of the 2014-15 Golden State Warriors Offense

BY: JACK FOSTER

# Background and Research Question

- ▶ Warriors redefined offense in the NBA
  - ▶ Stephen Curry becomes one of the NBA's best players
  - ▶ 3 pointers become much more prominent
  - ▶ Throughout the regular season, the Warriors ended up shooting more as season progressed
  - ▶ It is common to switch up strategy in the playoffs in order to be unpredictable
- ▶ Did the Warriors change their offensive strategies for the playoffs by attempting different number of three pointers per game?

# Chi Squared Analysis

- ▶ Performed a chi squared analysis on 10 random games from the playoffs
- ▶ Using Regular Season Average 3PA per game as expected count
- ▶ Found squared sum of each z score computed from each playoff game
- ▶ Ran a p chi squared test in R with that data in order to find a p value

$$\chi^2 = \sum \frac{(O_i - E_i)^2}{E_i}$$

$\chi^2$  = chi squared

$O_i$  = observed value

$E_i$  = expected value



# Data Analysis

- ▶ P Value = 0.0002791966
  - ▶ Less than .05
- ▶ Rejects H0 giving statistical relevance to HA.
- ▶ My analysis shows that there is significance towards the Warriors changing their 3-point scheme for the playoffs.
- ▶ This test may offer further information on how NBA offenses differ in the playoffs

