# Blog2

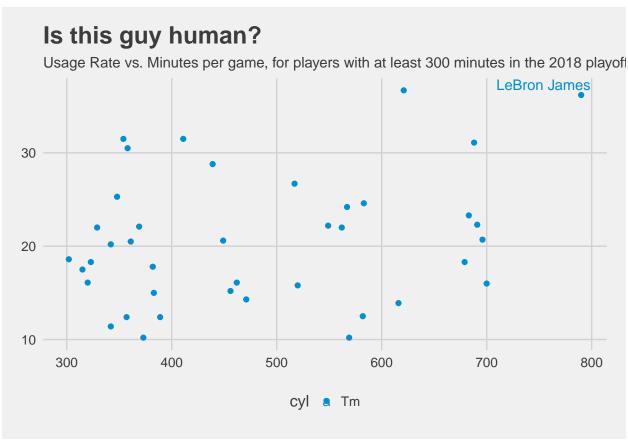
#### Yasith

3 June 2018

#### Plot 1

```
library(dplyr)
## Attaching package: 'dplyr'
## The following objects are masked from 'package:stats':
##
##
      filter, lag
## The following objects are masked from 'package:base':
##
      intersect, setdiff, setequal, union
##
library(tidyverse)
## -- Attaching packages ------ tidyverse 1.2.1 --
## v ggplot2 2.2.1
                    v readr
                              1.1.1
## v tibble 1.4.2
                    v purrr
                              0.2.4
                  v stringr 1.3.0
## v tidyr 0.8.0
## v ggplot2 2.2.1
                    v forcats 0.3.0
## -- Conflicts ------ tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()
                   masks stats::lag()
library(ggplot2)
library(scales)
##
## Attaching package: 'scales'
## The following object is masked from 'package:purrr':
##
##
      discard
## The following object is masked from 'package:readr':
##
##
      col factor
library("ggthemes")
 # setwd("C:/Users/yasit/Desktop/Blog")
min <- read.csv(file ="usg2.csv", header = T)</pre>
head(min)
##
   ï..Rk
                 Player Pos Age Tm G MP.â.. PER
                                                  TS. X3PAr FTr ORB.
## 1 1 LeBron James PF 33 CLE 19 790 33.7 0.624 0.229 0.414 3.9
      2 Draymond Green PF 27 GSW 18 700 16.7 0.527 0.407 0.262 6.3
## 2
## 3
        3 Terry Rozier PG 23 BOS 19
                                       696 17.3 0.538 0.553 0.211 1.3
```

```
4 Klay Thompson SG 27 GSW 18
                                          691 14.6 0.580 0.451 0.094 1.8
## 5
            Kevin Durant PF
                             29 GSW 18
                                          688 23.7 0.589 0.323 0.354 1.8
            Jayson Tatum SF
                             19 BOS 19
                                           683 16.2 0.578 0.272 0.372 1.6
    DRB. TRB. AST. STL. BLK. TOV. USG. X OWS DWS WS WS.48 X.1 OBPM DBPM
## 1 22.5 13.2 46.3
                    1.7
                         2.3 13.0 36.2 NA 3.9 1.0 4.9 0.296
                                                           NA 10.9
## 2 25.6 16.3 28.0
                    2.7
                         3.5 23.8 16.0 NA 0.6 1.7 2.3 0.156
                                                           NA
         8.2 26.3
                   1.8 0.8 7.0 20.7 NA 1.3 0.9 2.2 0.149
## 4 9.6 5.8 7.9
                         0.6 7.8 22.3 NA 0.8 0.8 1.6 0.114
                   1.0
                                                            NA
                                                                2.5 - 1.4
## 5 18.1 10.2 18.6 0.9
                         2.5 8.7 31.1 NA 1.9 1.1 3.0 0.210
                                                            NA
                                                                4.7
                                                                     0.1
## 6 12.6 7.0 13.3 1.7 1.3 11.9 23.3 NA 0.8 0.8 1.6 0.116 NA
                                                                0.6 0.7
     BPM VORP
## 1 14.9
          3.4
     7.5
## 2
         1.7
## 3 4.5 1.1
     1.1 0.5
## 5 4.8 1.2
## 6 1.3 0.6
min <- min %>%
       filter(min$MP.â.. > 300)
ggplot(min, aes(x= MP.â.. , y= USG., colour="Tm", label=Player))+
 geom_point() +
geom_text(aes(label=ifelse(MP.â..> 700 ,as.character(Player),'')),hjust=0.9,vjust=-0.5) +
 ggtitle("Is this guy human?", subtitle = "Usage Rate vs. Minutes per game, for players with at least
 theme fivethirtyeight()
```



```
Table of Percent per rd by player
```

percent points = points scored by player/ total points by both teams per round

sum(points by player) group by round

percent <- read.csv('PLAYOFFSDB.csv', header = TRUE )</pre>

```
sum(points by rd)
```

```
head(percent)
##
                       Player TEAM RD Age G GS
                                                 MP FG FGA X3P X3PA FT FTA ORB
     ï..Rk
         1 Jonas Valanciunas
                                         25 6
                                               6 148 33
                                                          57
                                                                2
                                 TR RW
                                                                     3 13
         2
                                                                    14
                                                                                 7
## 2
                  Serge Ibaka
                                 TR RW
                                         28 6
                                               6 172 19
                                                          44
                                                                6
                                                                        9
                                                                            13
## 3
         3
                                                          76
                                                                    39 14
                                                                                 2
                   Kyle Lowry
                                 TR RW
                                         31 6
                                               6
                                                 217
                                                      36
                                                               17
                                                                            18
## 4
         4
                 Jakob Poeltl
                                 TR RW
                                         22 6
                                                   96 14
                                                          22
                                                                0
                                                                            13
                                                                                12
                                               0
## 5
                Pascal Siakam
                                 TR. RW
                                         23 6
                                               0
                                                  96
                                                     14
                                                          25
                                                                2
                                                                     3
                                                                        8
                                                                            12
                                                                                 6
## 6
         6
                DeMar DeRozan
                                 TR RW
                                         28 6
                                               6 218 58 133
                                                               10
                                                                    26 34
                                                                                 3
##
         TRB AST STL BLK TOV PF PTS
                                         FG.
                                              X3P.
                                                      FT. MP.1 PTS.1 TRB.1 AST.1
     DRB
## 1
      42
          56
                6
                         8
                            10 12
                                   81 0.579 0.667 0.867 24.6
                                                                 13.5
## 2
      35
          42
                7
                    1
                         8
                             9 12
                                   53 0.432 0.429 0.692 28.7
                                                                  8.8
                                                                         7.0
                                                                               1.2
## 3
      27
          29
                            18 22 103 0.474 0.436 0.778 36.1
               50
                   12
                         0
                                                                 17.2
                                                                         4.8
                                                                               8.3
## 4
      14
          26
                5
                    2
                         3
                               20
                                   37 0.636 0.000 0.692 16.1
                                                                        4.3
                                                                               0.8
                                                                  6.2
## 5
      18
          24
                5
                                   38 0.560 0.667 0.667 16.0
                                                                         4.0
                                                                               0.8
## 6
          20
                           15 9 160 0.436 0.385 0.810 36.4 26.7
      17
               29
                                                                        3.3
                                                                               4.8
     STL.1 BLK.1
## 1
       0.7
              1.3
## 2
       0.2
              1.3
## 3
       2.0
              0.0
## 4
       0.3
              0.5
## 5
              1.0
       0.2
```

# $player\_scorepercent(x,r) = player\_score(x,r) / sum(team\_score(r))$

### **Points**

## 6

0.3

0.2

```
## Warning: Unknown or uninitialised column: 'percentage'.
```

```
## # A tibble: 356 x 5
##
      Round TotalPoints Player
                                             PlayerPoints percentage
      <fct>
                   <int> <fct>
                                                    <int>
                                                                <dbl>
##
    1 CI
                    1368 LeBron James
                                                      241
                                                                0.176
    2 CB
                    1360 LeBron James
                                                      235
##
                                                                0.173
##
    3 CT
                     892 LeBron James
                                                      136
                                                                0.152
    4 NP
                     880 Anthony Davis
                                                      132
                                                                0.150
##
    5 GR
                    1441 Kevin Durant
                                                      213
                                                                0.148
##
    6 UO
                    1240 Russell Westbrook
                                                      176
                                                                0.142
##
    7 GR
                    1441 James Harden
                                                      201
                                                                0.139
                    1012 Kevin Durant
                                                      141
                                                                0.139
##
    8 GS
##
    9 UO
                    1240 Donovan Mitchell
                                                      171
                                                                0.138
```

```
## 10 HM 1060 James Harden 145 0.137 ## # ... with 346 more rows
```

#### **Assists**

```
sumassits <- percent%>%
  group_by(RD) %>%
  summarise(sum(AST))
playerassits <- percent %>%
  group by (Player, RD) %>%
  summarise(sum(AST))
assistspercent <-full_join(sumassits, playerassits, by= "RD")
colnames(assistspercent) <- c("Round", "Totalassits", "Player", "Playerassits")</pre>
for(i in 1:nrow(assistspercent)){
  assistspercent$percentage[i] <- assistspercent$Playerassits[i] / assistspercent$Totalassits[i]
## Warning: Unknown or uninitialised column: 'percentage'.
assistspercent %>%
 arrange(desc(percentage))
## # A tibble: 356 x 5
     Round Totalassits Player
                                         Playerassits percentage
##
      <fct> <int> <fct>
                                                <int>
                                                           <dbl>
## 1 NP
                                                           0.291
                  182 Rajon Rondo
                                                   53
                  273 John Wall
## 2 RW
                                                   69
                                                           0.253
## 3 CT
                  182 LeBron James
                                                   45
                                                           0.247
## 4 CB
                  271 LeBron James
                                                   59
                                                           0.218
                  218 Russell Westbrook
## 5 UO
                                                   45
                                                           0.206
## 6 CI
                  268 LeBron James
                                                   54
                                                           0.201
## 7 GP
                   290 Rajon Rondo
                                                   57
                                                           0.197
## 8 UO
                  218 Ricky Rubio
                                                   42
                                                           0.193
## 9 CT
                   182 Kyle Lowry
                                                   35
                                                           0.192
## 10 RW
                   273 Kyle Lowry
                                                   50
                                                           0.183
## # ... with 346 more rows
```

#### Rebounds

```
sumrebs <- percent%>%
  group_by(RD) %>%
  summarise(sum(TRB))

playerreb <- percent %>%
  group_by(Player, RD)%>%
  summarise(sum(TRB))

rebpercent <-full_join(sumrebs, playerreb, by= "RD")</pre>
```

```
colnames(rebpercent) <- c("Round", "Totalreb", "Player", "Playerreb")</pre>
for(i in 1:nrow(rebpercent)){
  rebpercent$percentage[i] <- rebpercent$Playerreb[i] / rebpercent$Totalreb[i]</pre>
}
## Warning: Unknown or uninitialised column: 'percentage'.
rebpercent %>%
 arrange(desc(percentage))
## # A tibble: 356 x 5
##
     Round Totalreb Player
                                        Playerreb percentage
      <fct>
              <int> <fct>
                                            <int>
##
                                                        <dbl>
                442 Clint Capela
## 1 HM
                                               71
                                                        0.161
## 2 CT
                310 Jonas Valanciunas
                                               49
                                                        0.158
                452 Joel Embiid
                                               70
## 3 BP
                                                        0.155
## 4 GP
                484 Anthony Davis
                                               74
                                                        0.153
                442 Karl-Anthony Towns
                                              67
## 5 HM
                                                        0.152
## 6 CT
                310 Kevin Love
                                               46
                                                        0.148
## 7 GR
                594 Draymond Green
                                               83
                                                        0.140
## 8 NP
                347 Anthony Davis
                                               47
                                                        0.135
## 9 UO
               545 Russell Westbrook
                                              72
                                                        0.132
## 10 GS
                425 Draymond Green
                                               56
                                                        0.132
## # ... with 346 more rows
df <-merge( Scorepercent,</pre>
 merge(assistspercent, rebpercent, by.x = (c("Round", "Player")), by.y = c("Round", "Player")),
  by.x = c("Round", "Player"), by.y = c("Round", "Player")
)
# df1 <-
  df1 <- data.frame(df %>%
        select("Round", "Player", "percentage", "percentage.x", "percentage.y") %>% #x =assits, #y = r
          mutate(average = mean(c(percentage, percentage.x, percentage.y))) %>%
          ungroup() %>%
          arrange(desc(average)))
  # x <- function(div){
  # }
  colnames(df1) <- c("Round", "Player", "PPTS", "PASST", "PREBS", "ALL")</pre>
head(df1)
##
    Round
                                   PPTS
                                            PASST
                                                        PREBS
                      Player
## 1
       CT
                LeBron James 0.15246637 0.2472527 0.10645161 0.1687236
## 2
       CI
                LeBron James 0.17616959 0.2014925 0.12704174 0.1682346
## 3
       CB
                LeBron James 0.17279412 0.2177122 0.10787671 0.1661277
## 4
       UO Russell Westbrook 0.14193548 0.2064220 0.13211009 0.1601559
## 5
       RW
                   John Wall 0.12018490 0.2527473 0.07039337 0.1477752
## 6
                 Rajon Rondo 0.05113636 0.2912088 0.08645533 0.1429335
       NP
df1[1:25,]
```

```
##
      Round
                           Player
                                         PPTS
                                                   PASST
                                                               PREBS
                                                                           ALL
## 1
         CT
                     LeBron James 0.15246637 0.24725275 0.10645161 0.1687236
## 2
         CI
                     LeBron James 0.17616959 0.20149254 0.12704174 0.1682346
## 3
                     LeBron James 0.17279412 0.21771218 0.10787671 0.1661277
         CR
## 4
         UΟ
                Russell Westbrook 0.14193548 0.20642202 0.13211009 0.1601559
## 5
         RW
                         John Wall 0.12018490 0.25274725 0.07039337 0.1477752
## 6
                      Rajon Rondo 0.05113636 0.29120879 0.08645533 0.1429335
         NP
## 7
         BM
            Giannis Antetokounmpo 0.12587413 0.14426230 0.11713287 0.1290898
## 8
         PM
                      Ben Simmons 0.08363971 0.17857143 0.11648352 0.1262316
## 9
         CI
                   Victor Oladipo 0.11622807 0.15671642 0.10526316 0.1260692
## 10
         HU
                     James Harden 0.13513514 0.18048780 0.05963303 0.1250853
         GR
## 11
                     James Harden 0.13948647 0.16030534 0.06565657 0.1218161
## 12
         GS
                   Draymond Green 0.05632411 0.17467249 0.13176471 0.1209204
## 13
         HM
                     James Harden 0.13679245 0.17129630 0.05429864 0.1207958
## 14
         GP
                   Draymond Green 0.06684734 0.17241379 0.12190083 0.1203873
## 15
         GR
                   Draymond Green 0.04024983 0.17938931 0.13973064 0.1197899
## 16
         GS
                     Kevin Durant 0.13932806 0.11353712 0.10117647 0.1180139
## 17
         GR
                    Stephen Curry 0.12144344 0.15267176 0.07744108 0.1171854
## 18
         HU
                       Chris Paul 0.11872587 0.15121951 0.08027523 0.1167402
## 19
         BP
                      Joel Embiid 0.10962822 0.07894737 0.15486726 0.1144809
## 20
         UΟ
                      Ricky Rubio 0.06774194 0.19266055 0.08073394 0.1137121
## 21
                       Kyle Lowry 0.07935285 0.18315018 0.06004141 0.1075148
         RW
## 22
         GP
                      Rajon Rondo 0.04336043 0.19655172 0.07851240 0.1061415
## 23
         CT
                       Kyle Lowry 0.07959641 0.19230769 0.04516129 0.1056885
## 24
         NP
                     Jrue Holiday 0.12613636 0.14285714 0.04610951 0.1050343
## 25
         GP
                    Anthony Davis 0.12556459 0.03448276 0.15289256 0.1043133
```

## Graphic 3

```
jointab <- left join(df1, percent, by = c("Round"="RD", "Player"="Player")) %>%
  select(Round, TEAM, Player, PPTS, PASST, PREBS, ALL)
# jointab %>% group_by(Round) %>% arrange(Round, desc(ALL)) %>% filter(Round == "CB")
x <- jointab %>%
  group_by( Round) %>%
  top_n(n = 4, wt = ALL) %>%
  arrange(Round, desc(ALL))
listx <- select(jointab, c("Round", "TEAM", "Player"))</pre>
head(x)
## # A tibble: 6 x 7
## # Groups:
               Round [2]
     Round TEAM Player
                                          PPTS
                                                PASST
                                                       PREBS
                                                                 ALL
##
     <fct> <fct> <fct>
                                                       <dbl>
                                                              <dbl>
                                         <dbl>
                                                <dbl>
                 Giannis Antetokounmpo 0.126 0.144 0.117 0.129
## 1 BM
           MB
## 2 BM
           BC
                 Terry Rozier
                                        0.0860 0.154 0.0524 0.0975
## 3 BM
           BC
                 Al Horford
                                        0.0888 0.0754 0.107
## 4 BM
           MB
                 Khris Middleton
                                        0.121 0.0721 0.0629 0.0853
## 5 BP
                                        0.110 0.0789 0.155 0.114
           PS
                 Joel Embiid
## 6 BP
                                        0.0686 0.140 0.0907 0.0999
           PS
                 Ben Simmons
```

```
library(data.table)

##

## Attaching package: 'data.table'

## The following object is masked from 'package:purrr':

##

## transpose

## The following objects are masked from 'package:dplyr':

##

## between, first, last

x <- data.table(x)

setkey(x, "TEAM")

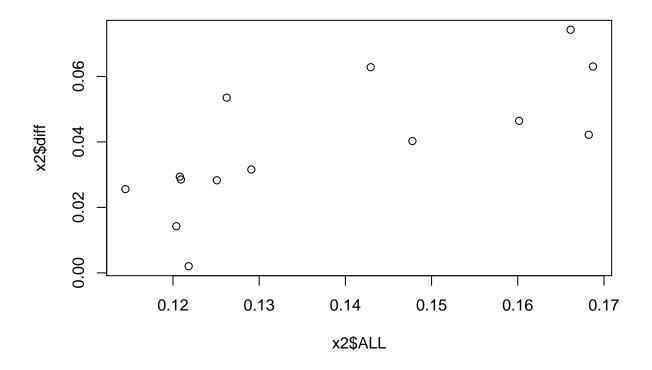
# x %>% group_by(Round) %>%

x[!duplicated(x)]
```

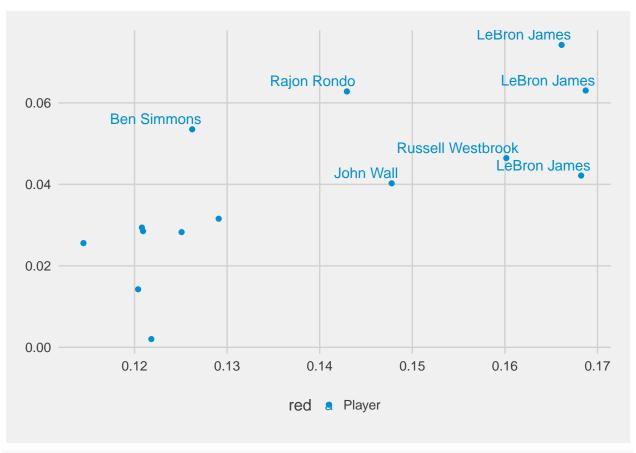
```
##
       Round TEAM
                                  Player
                                                PPTS
                                                          PASST
                                                                      PREBS
##
    1:
          BM
               BC
                            Terry Rozier 0.08601399 0.15409836 0.05244755
    2:
               ВC
##
          BM
                              Al Horford 0.08881119 0.07540984 0.10664336
##
    3:
          ΒP
               BC
                            Terry Rozier 0.09056244 0.09649123 0.07964602
##
    4:
          CB
               BC
                            Terry Rozier 0.06985294 0.14760148 0.05821918
##
    5:
          CB
               BC
                            Marcus Smart 0.04558824 0.16605166 0.04109589
##
    6:
          CB
               BC
                              Al Horford 0.06985294 0.08487085 0.09075342
##
    7:
          CB
               CC
                            LeBron James 0.17279412 0.21771218 0.10787671
##
    8:
               CC
                            LeBron James 0.17616959 0.20149254 0.12704174
               CC
##
    9:
          CI
                              Kevin Love 0.05847953 0.02611940 0.11796733
## 10:
          CT
               CC
                            LeBron James 0.15246637 0.24725275 0.10645161
          CT
               CC
## 11:
                              Kevin Love 0.09192825 0.03296703 0.14838710
## 12:
          GP
               GW
                          Draymond Green 0.06684734 0.17241379 0.12190083
## 13:
          GP
               GW
                            Kevin Durant 0.12556459 0.08275862 0.07644628
## 14:
               GW
          GR
                          Draymond Green 0.04024983 0.17938931 0.13973064
## 15:
          GR
               GW
                           Stephen Curry 0.12144344 0.15267176 0.07744108
## 16:
               GW
          GR
                            Kevin Durant 0.14781402 0.07251908 0.06734007
## 17:
          GS
               GW
                          Draymond Green 0.05632411 0.17467249 0.13176471
## 18:
          GS
               GW
                            Kevin Durant 0.13932806 0.11353712 0.10117647
## 19:
               GW
          GS
                           Klay Thompson 0.11166008 0.06113537 0.03529412
## 20:
          GR
               HR.
                            James Harden 0.13948647 0.16030534 0.06565657
## 21:
          HM
               HR
                            James Harden 0.13679245 0.17129630 0.05429864
## 22:
                              Chris Paul 0.08962264 0.15277778 0.04524887
          HM
               HR.
## 23:
          HM
               HR
                            Clint Capela 0.07452830 0.03240741 0.16063348
## 24:
          HU
               HR
                            James Harden 0.13513514 0.18048780 0.05963303
## 25:
                              Chris Paul 0.11872587 0.15121951 0.08027523
## 26:
                            Clint Capela 0.06274131 0.04390244 0.11697248
          HU
               HR.
## 27:
          CI
               ΙP
                          Victor Oladipo 0.11622807 0.15671642 0.10526316
## 28:
          CI
                         Darren Collison 0.05774854 0.12313433 0.03811252
## 29:
                  Giannis Antetokounmpo 0.12587413 0.14426230 0.11713287
## 30:
                         Khris Middleton 0.12097902 0.07213115 0.06293706
          BM
               MB
## 31:
          PM
               MH
                           James Johnson 0.05698529 0.09523810 0.06593407
## 32:
               MH
                            Goran Dragic 0.08547794 0.09126984 0.02857143
## 33:
               MT
                      Karl-Anthony Towns 0.07169811 0.05092593 0.15158371
          HM
          GP
                             Rajon Rondo 0.04336043 0.19655172 0.07851240
## 34:
               NO
```

```
## 35:
          GP
               NO
                           Anthony Davis 0.12556459 0.03448276 0.15289256
## 36:
          NP
               NΩ
                             Rajon Rondo 0.05113636 0.29120879 0.08645533
## 37:
          NP
               NO
                            Jrue Holiday 0.12613636 0.14285714 0.04610951
## 38:
          NP
               NO
                           Anthony Davis 0.15000000 0.02747253 0.13544669
## 39:
          UΟ
               OC
                       Russell Westbrook 0.14193548 0.20642202 0.13211009
## 40:
          UΟ
               OC
                             Paul George 0.11935484 0.07339450 0.06605505
## 41:
          BP
                             Joel Embiid 0.10962822 0.07894737 0.15486726
               PS
## 42:
                             Ben Simmons 0.06863680 0.14035088 0.09070796
          BP
               PS
## 43:
          BP
               PS
                             Dario Saric 0.08484271 0.07894737 0.08628319
## 44:
          PM
               PS
                             Ben Simmons 0.08363971 0.17857143 0.11648352
## 45:
          PM
               PS
                             Dario Saric 0.07628676 0.06746032 0.07472527
## 46:
          NP
               PT
                          Damian Lillard 0.08409091 0.10439560 0.05187320
## 47:
          GS
               SS
                       LaMarcus Aldridge 0.11660079 0.05240175 0.10823529
## 48:
          CT
               TR
                              Kyle Lowry 0.07959641 0.19230769 0.04516129
## 49:
          CT
               TR
                       Jonas Valanciunas 0.07286996 0.03296703 0.15806452
## 50:
          RW
               TR
                              Kyle Lowry 0.07935285 0.18315018 0.06004141
## 51:
          RW
               TR
                           DeMar DeRozan 0.12326656 0.10622711 0.04140787
## 52:
          HU
               UJ
                        Donovan Mitchell 0.09362934 0.14634146 0.05045872
## 53:
                             Ricky Rubio 0.06774194 0.19266055 0.08073394
          UU
               UJ
## 54:
          UO
               UJ
                        Donovan Mitchell 0.13790323 0.07339450 0.07889908
## 55:
          RW
               WW
                               John Wall 0.12018490 0.25274725 0.07039337
##
   56:
          RW
               WW
                            Bradley Beal 0.10708783 0.06227106 0.04140787
##
                                                PPTS
       Round TEAM
                                  Player
                                                          PASST
                                                                      PREBS
              ALL
##
    1: 0.09751997
    2: 0.09028813
##
    3: 0.08889990
    4: 0.09189120
##
    5: 0.08424526
    6: 0.08182574
##
    7: 0.16612767
##
    8: 0.16823462
    9: 0.06752209
## 10: 0.16872358
## 11: 0.09109413
## 12: 0.12038732
## 13: 0.09492316
## 14: 0.11978993
## 15: 0.11718543
## 16: 0.09589106
## 17: 0.12092044
## 18: 0.11801388
## 19: 0.06936319
## 20: 0.12181613
## 21: 0.12079580
## 22: 0.09588310
## 23: 0.08918973
## 24: 0.12508532
## 25: 0.11674020
## 26: 0.07453874
## 27: 0.12606922
## 28: 0.07299846
## 29: 0.12908976
## 30: 0.08534908
```

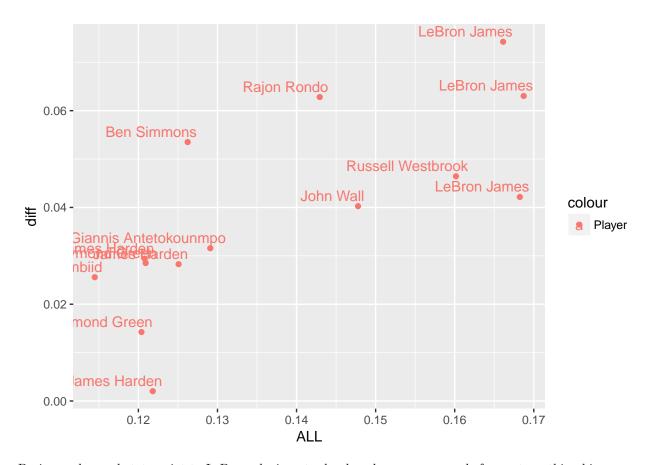
```
## 31: 0.07271915
## 32: 0.06843974
## 33: 0.09140258
## 34: 0.10614152
## 35: 0.10431330
## 36: 0.14293350
## 37: 0.10503434
## 38: 0.10430640
## 39: 0.16015586
## 40: 0.08626813
## 41: 0.11448095
## 42: 0.09989855
## 43: 0.08335775
## 44: 0.12623155
## 45: 0.07282412
## 46: 0.08011990
## 47: 0.09241261
## 48: 0.10568847
## 49: 0.08796717
## 50: 0.10751481
## 51: 0.09030051
## 52: 0.09680984
## 53: 0.11371214
## 54: 0.09673227
## 55: 0.14777518
## 56: 0.07025559
##
              ALL
x1 <-x %>% distinct( Round, TEAM, .keep_all = TRUE) %>% arrange(Round, desc(ALL))
for ( i in 1:nrow(x1)){
  x1$diff[i] <- x1$ALL[i] - x1$ALL[i+1]</pre>
}
x1 <- x1 %>% arrange(Round, desc(ALL))
toDelete <- seq(1, nrow(x1), 2)
x2 \leftarrow x1[toDelete,]
x2 <- x2 %>% arrange(Round, desc(ALL))
head(x2)
     Round TEAM
                                Player
                                              PPTS
                                                        PASST
                                                                  PREBS
## 1
             MB Giannis Antetokounmpo 0.12587413 0.14426230 0.1171329
## 2
        BP
             PS
                          Joel Embiid 0.10962822 0.07894737 0.1548673
        CB
             CC
## 3
                          LeBron James 0.17279412 0.21771218 0.1078767
                          LeBron James 0.17616959 0.20149254 0.1270417
## 4
        CI
             CC
## 5
        CT
             CC
                          LeBron James 0.15246637 0.24725275 0.1064516
## 6
        GP
             GW
                       Draymond Green 0.06684734 0.17241379 0.1219008
##
           ALL
## 1 0.1290898 0.03156980
## 2 0.1144809 0.02558105
## 3 0.1661277 0.07423647
## 4 0.1682346 0.04216541
## 5 0.1687236 0.06303511
```



```
ggplot(x2, aes(x= ALL, y= diff, colour="Player", label=Player))+
  geom_point() +
geom_text(aes(label=ifelse(ALL>0.14 | diff > 0.04,as.character(Player),'')),hjust=0.9,vjust=-0.5) +scal
  theme_fivethirtyeight()
```



```
ggplot(x2, aes(x= ALL, y= diff, colour="Player", label=Player))+
  geom_point() +
geom_text(aes(label=Player,hjust=0.9,vjust=-0.5))
```



Basic or advanced stats point to LeBron playing at a level we have never seen before - strengthing his case as THE greatest of all time. To avoid robbing Harden of the regular season MVP twice let's give that to him. But win or lose LeBron James deserves to at least win the Finals MVP.

If you have payed the slightest of attention to this year's playoffs, you know his numbers have been incredible - he leads the league in points, assits, minutes played and add to that he already has seven 40 point games (couple while facing elimination). But I want to compare his production from a slightly different angle - how much impact James has had on the series relative to everyone else - combined.

Through the first five games, James has gathered an incredible 18 percent of all the points scored, assists dished and rebounds collected by anyone in this series. If that stands, it will be 1.1 percentage points higher than the next highest over the past 46 years (since they started having a finals MVP in 1969). Here are the top 20, plus James: