SLG Trend

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Use the latest 2017 version of baseball archieve at http://www.seanlahman.com/baseball-archive/statistics/ I only want to use the batting data from 2016 and 2017.

```
Bat.17 <- subset(Batting, yearID == 2016 | yearID == 2017)
```

Before I can start my analysis, I need to define what a single and slugging percetange is in my data set.

```
Bat.17$X1B <- with(Bat.17, H - X2B - X3B - HR)
Bat.17$SLG <- with(Bat.17,

(X1B + 2 * X2B + 3 * X3B + 4 * HR) / AB)
```

Right now, my data has names of players on different rows based on their season. I am going to split the data into 2016 and 2017 season and then merge them by playerID so that each player has only one row.

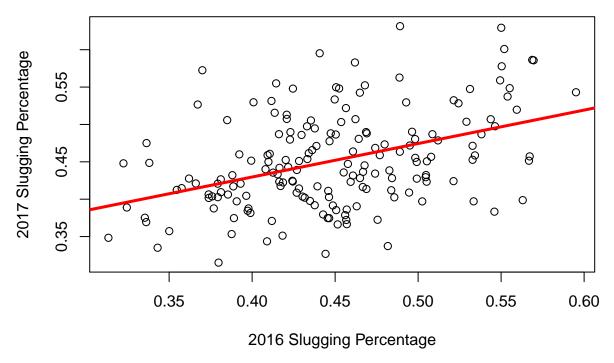
```
Bat16 <- subset(Bat.17, yearID==2016)
Bat17 <- subset(Bat.17, yearID==2017)
merged.Bat <- merge(Bat16, Bat17, by="playerID")</pre>
```

I want to make sure that I only have players that had at least 300 At Bats in both seasons.

```
min.bat <- subset(merged.Bat,
AB.x >= 300 & AB.y >=300)
```

Lastly, I need to create a visual to demonstrate the increase of Slugging Percentage between 2016 and 2017.

Increase in SLG of MLB Batters With Minimum 300 AB



Additionally, here is a histogram to demonstrate the distribtion of Slugging Percentage in 2016 and 2017.

