

12/11/2017

```

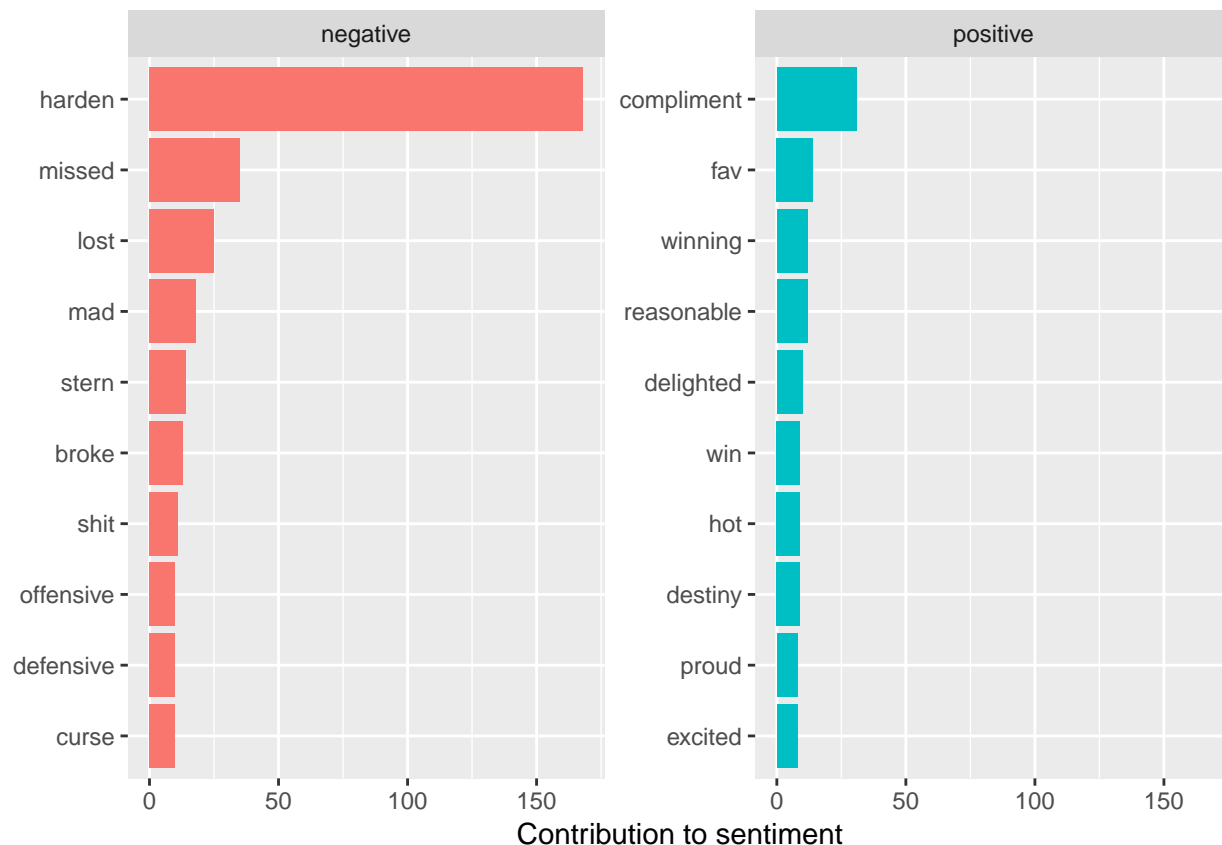
## # A tibble: 1,632 x 2
##       word      n
##   <chr> <int>
## 1   paul    655
## 2  chris    630
## 3 rockets  299
## 4   james  227
## 5  harden   168
## 6  lebron   93
## 7    beat   91
## 8   team   91
## 9  chances   80
## 10 contenders 80
## # ... with 1,622 more rows

## Joining, by = "word"
## Joining, by = "word"

## # A tibble: 149 x 3
##       word sentiment      n
##   <chr>      <chr> <int>
## 1  harden  negative   168
## 2  missed  negative    35
## 3 compliment positive    31
## 4    lost  negative    25
## 5     mad  negative    18
## 6     fav  positive    14
## 7    stern  negative    14
## 8    broke  negative    13
## 9 reasonable positive    12
## 10 winning  positive    12
## # ... with 139 more rows

## Selecting by n

```



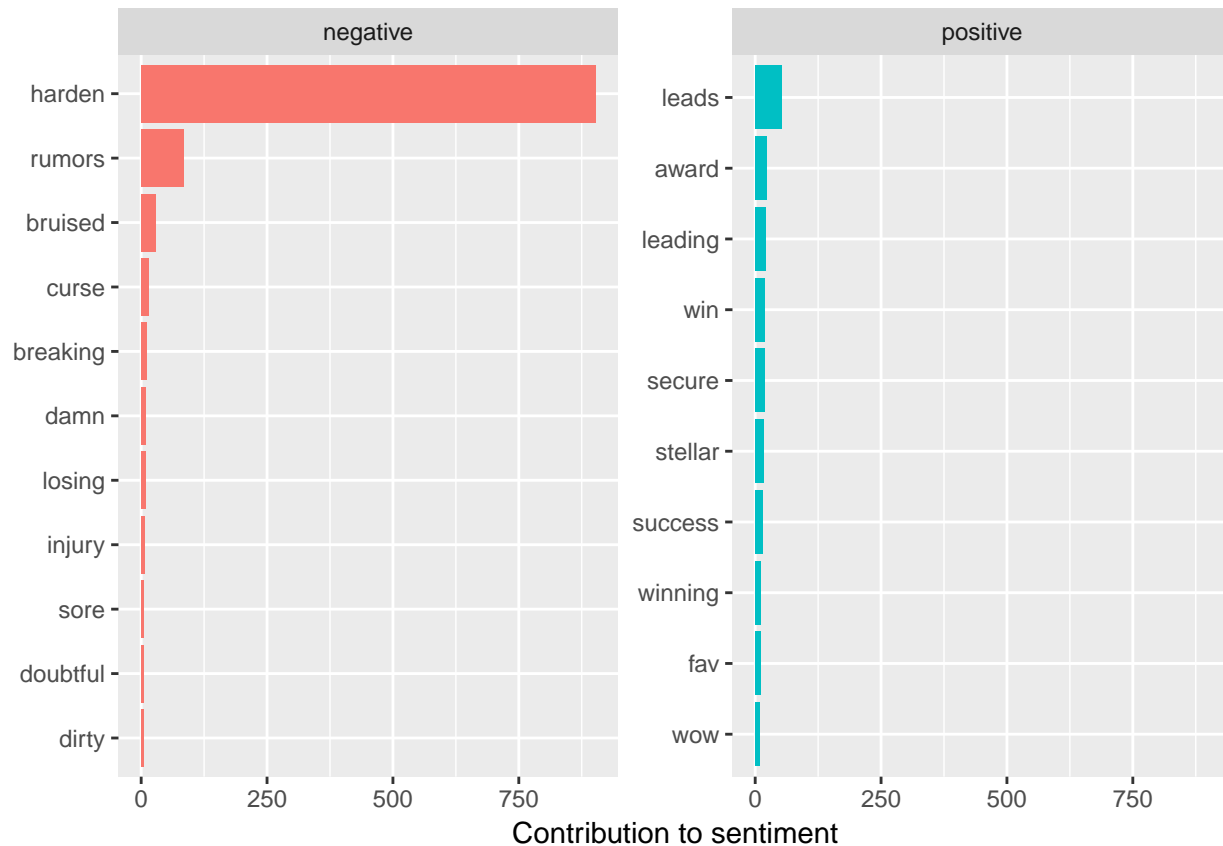
```
## Joining, by = "word"
## # A tibble: 998 x 2
##       word      n
##   <chr> <int>
## 1   james 1041
## 2   harden  902
## 3   lebron  266
## 4     mvp   162
## 5 rockets  155
## 6   giannis  130
## 7 antetokounmpo 127
## 8     kyrie  125
## 9    irving  122
## 10  total    95
## # ... with 988 more rows

## Joining, by = "word"
## Joining, by = "word"

## # A tibble: 95 x 3
##       word sentiment      n
##   <chr>      <chr> <int>
## 1 harden  negative  902
## 2 rumors  negative   85
## 3 leads   positive   52
## 4 bruised negative   28
## 5 award   positive   23
```

```
## 6 leading positive 21
## 7 win positive 19
## 8 secure positive 18
## 9 stellar positive 16
## 10 curse negative 15
## # ... with 85 more rows
```

```
## Selecting by n
```



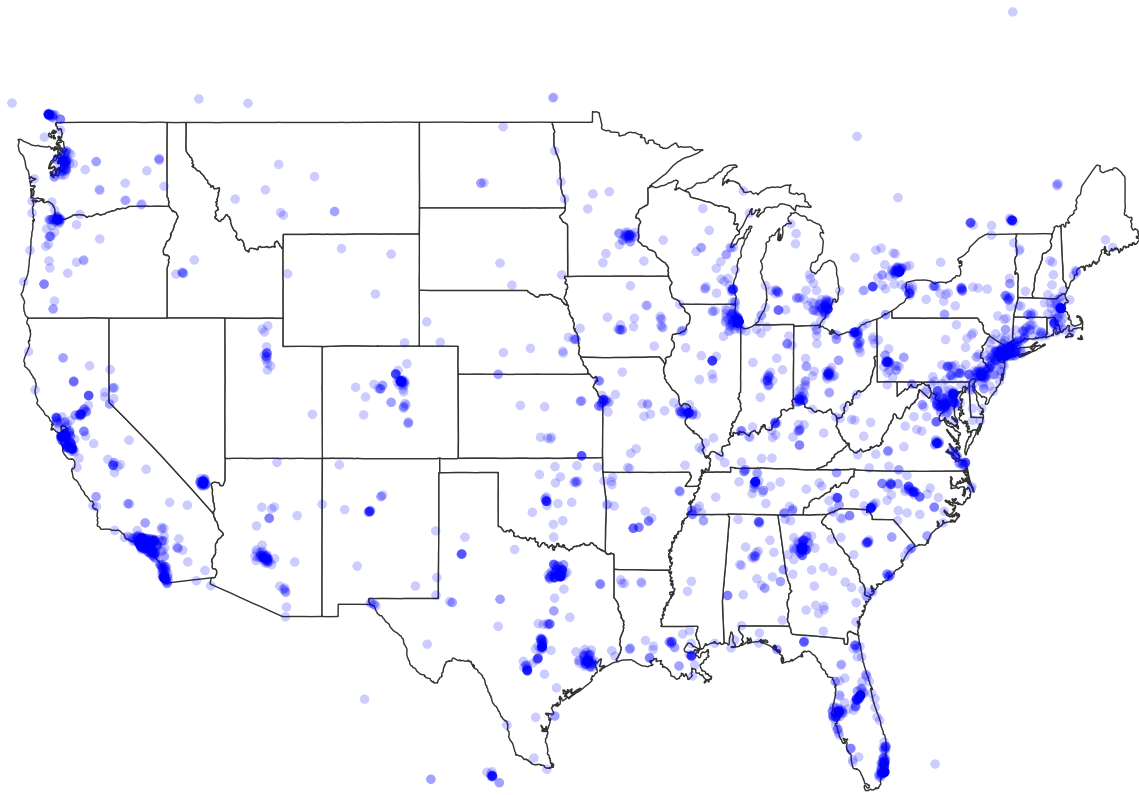
Sentiment analysis used to determine the attitude of the text data looking at the number of positive and negative words. The most frequent negative word toward Chris Paul is harden. The most frequent positive word toward Chris Paul is compliment. The most frequent negative word toward Harden is harden. The most frequent positive word toward Harden is lead.

ggmap for two players

```
## Capturing tweets...
```

```
## Connection to Twitter stream was closed after 20 seconds with up to 656 tweets downloaded.
```

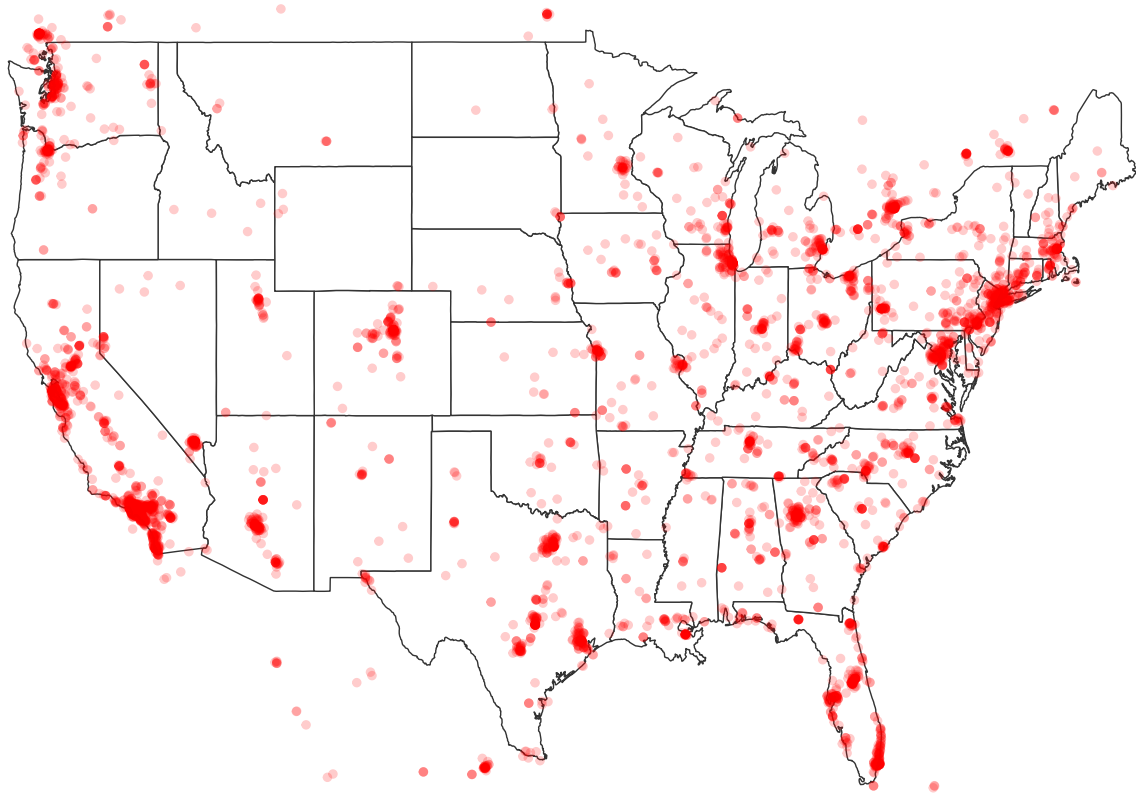
```
## 21104 tweets have been parsed.
```



```
## Capturing tweets...
```

```
## Connection to Twitter stream was closed after 20 seconds with up to 874 tweets downloaded.
```

```
## 44297 tweets have been parsed.
```



By making ggplots of the United States, we can know where users from the states comment on these two players. Thus, we know which part in the country are interested in these two players.