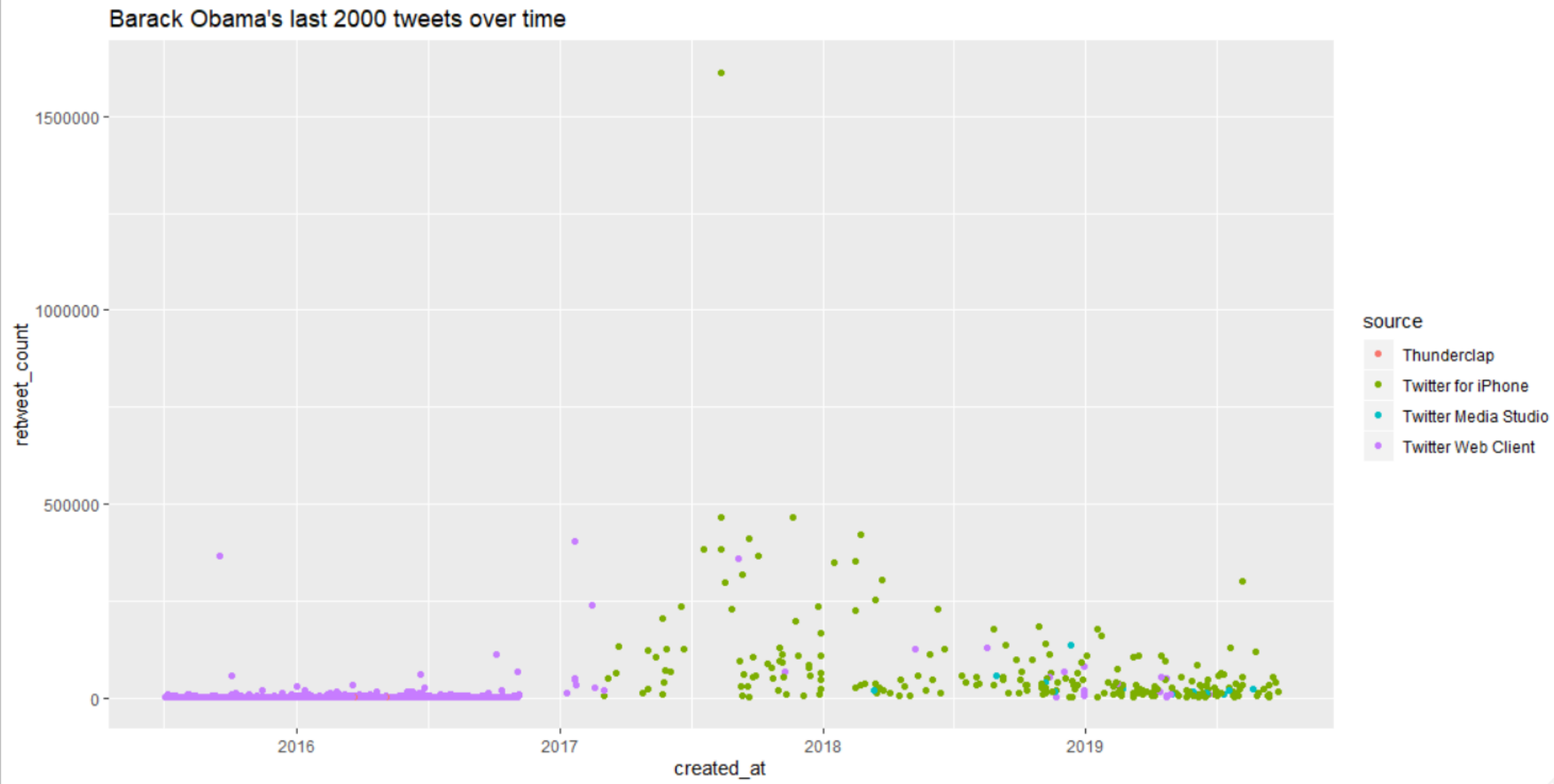


Barack Obama Tweets

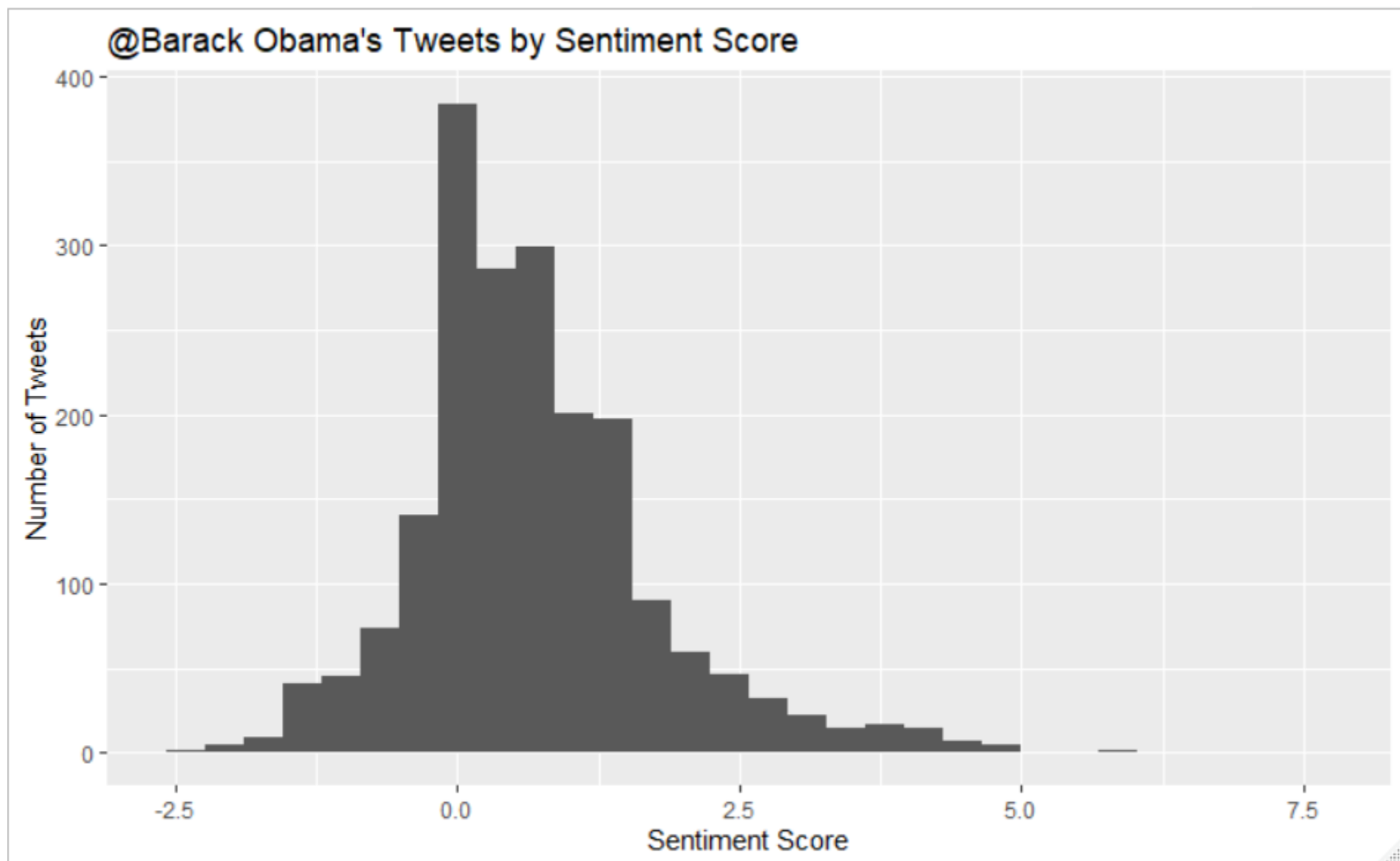
```
ggplot(data3, aes(x=created_at , y=retweet_count, color=source))+geom_point()+  
ggtitle("Barack Obama's last 2000 tweets over time")
```



```
Sentiments= data2%>%group_by(source)%>%summarise(Sentiment=mean(sentiments))
```

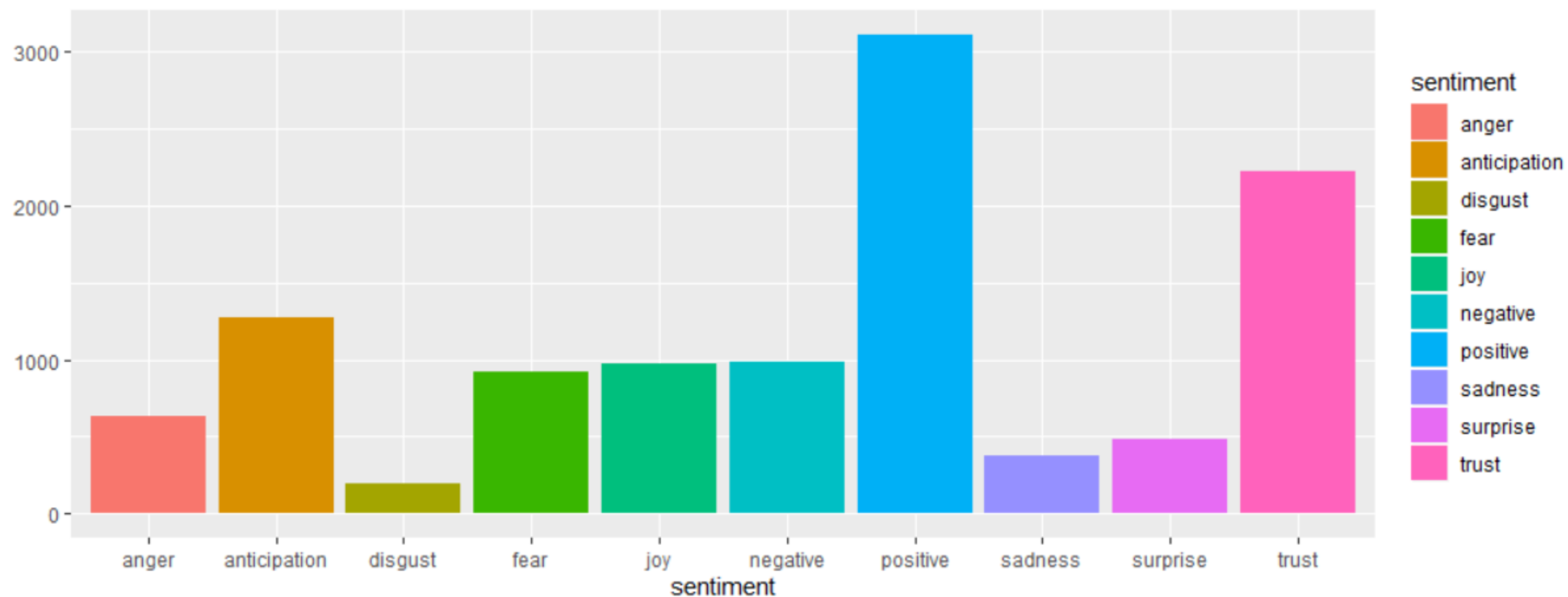
	source	Sentiment
1	Thunderclap	0.4500000
2	Twitter for iPhone	1.7865217
3	Twitter Media Studio	2.7625000
4	Twitter Web Client	0.5366591

```
ggplot(data=sentiments, aes(x=sentiments))+ geom_histogram()+  
  ggtitle("@Barack Obama's Tweets by Sentiment Score")
```



```
ggplot(data3, aes(x=created_at , y=retweet_count, color=source))+geom_point()+  
  ggtitle("Barack Obama's last 2000 tweets over time")
```

Sentiments of Barack Obama's last 2000 tweets



Out of Office 1

In office 0

```
> data4%>%group_by(Office)%>%summarise(Sentiment=mean(sentiments))  
# A tibble: 2 x 2  
  Office Sentiment  
   <dbl>   <dbl>  
1     0     0.520  
2     1     1.80
```