In [47]:
```
import numpy as np
import pandas as pd
from vaderSentiment.vaderSentiment import SentimentIntensityAnalyzer
```

In [48]:
```
# Loading data into a dataframe
df = pd.read_csv('C:/Users/nneam/OneDrive/Documents/540Assignments/DailyComments.csv')
```

In [49]:
```
# Making sure everything looks correct
df.head(7)
```

Out[49]:

	Day of Week	comments
0	Monday	Hello, how are you?
1	Tuesday	Today is a good day!
2	Wednesday	It's my birthday so it's a really special day!
3	Thursday	Today is neither a good day or a bad day!
4	Friday	I'm having a bad day.
5	Saturday	There' s nothing special happening today.
6	Sunday	Today is a SUPER good day!

In [50]:
```
#Load VADER sentiment Analyser
analyzer= SentimentIntensityAnalyzer()
```

In [51]:
```
# Assiging Comments column
comments = df['comments']
```

In [52]:
```
analyzer.polarity_scores(comments)
#{'neg': 0.204, 'neu': 0.541, 'pos': 0.255, 'compound': 0.6033}
```

Out[52]:
```
{'neg': 0.204, 'neu': 0.541, 'pos': 0.255, 'compound': 0.6033}
```

In [53]:
```
#Assign metrics/columns from Vader to DF

df['compound'] = [analyzer.polarity_scores(x)['compound'] for x in df['comments']]
df['neg'] = [analyzer.polarity_scores(x)['neg'] for x in df['comments']]
df['neu'] = [analyzer.polarity_scores(x)['neu'] for x in df['comments']]
df['pos'] = [analyzer.polarity_scores(x)['pos'] for x in df['comments']]

#Display Analysis
df.head(7)
```

Out[53]:

	Day of Week	comments	compound	neg	neu	pos
0	Monday	Hello, how are you?	0.0000	0.000	1.000	0.000
1	Tuesday	Today is a good day!	0.4926	0.000	0.556	0.444
2	Wednesday	It's my birthday so it's a really special day!	0.5081	0.000	0.709	0.291
3	Thursday	Today is neither a good day or a bad day!	-0.7350	0.437	0.563	0.000
4	Friday	I'm having a bad day.	-0.5423	0.467	0.533	0.000
5	Saturday	There' s nothing special happening today.	-0.3089	0.311	0.689	0.000
6	Sunday	Today is a SUPER good day!	0.8327	0.000	0.338	0.662

In [ ]: