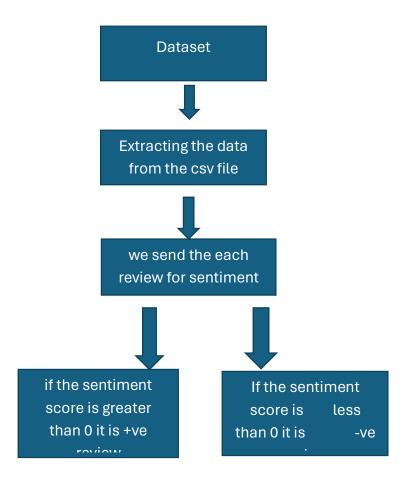
Approach and Results of Sentiment analysis.

## 1)Resource based Classification:

It is the basic approach, where the words get the polarity and we add positive polarity score and negative polarity score, we add then together for sentence and we by the result of the sum of polarities of each word will determine it is a good review or bad review.



To get the sentiment score:

WE TOKENIZE the sentence into words. Then for each word in that list will get a sentiment score by **sentiword.net**.

After the sentiment analysis we write, review with sentiment(good/bad) in a new csv file named as result\_of\_sentiment.csv.

```
resource_based_classification.py
results_of_sentiment.csv
results_of_sentiment.csv
results_of_sentiment_by_rating.py.py
rtripadvisor_hotel_reviews.csv

results_of_sentiment_by
rtripadvisor_hotel_reviews.csv

results_of_sentiment_by
rtripadvisor_hotel_reviews.csv

results_resources
```

Review.Sentiment

"nice hotel expensive parking got good deal stay hotel anniversary, arrived late evening took advice previous reviews did valet parking, "ok nothing special charge diamond member hilton decided chain shot 20th anniversary seattle, start booked suite paid extra website desc "nice rooms not 4\* experience hotel monaco seattle good hotel n't 4\* level.positives large bathroom mediterranean suite comfortable bed

## Using Classifiers:

I had done with 5 classifers to find out the which one is with the best accuracy. Attaching the screen shots for each classifer results.

```
Metrics for Logistic Regression Model
Accuracy: 0.9516955354964626
C:\Users\Guest User\AnnData\Local\Program
Metrics for Decision Tree
```

Metrics for Decision Tree
Accuracy: 0.9004635276896804

Metrics for Voting Classifier Accuracy: 0.9011954135154916

Metrics for Support Vector Machine Accuracy: 0.9458404488899732

Metrics for Multi-Nomibal Naive Bayes Accuracy: 0.928275189070505