# Sentiment Analysis of Twitter Data



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**Ambition**

* To implicate an algorithm for automatic transmission of text into neutral ,positive or negative
* Sentiment analysis to determine whether the attitude of mass is positive ,negative or neutral towards the

subject of interest

* Graphical representation of the subject in form of a chart

# Abstract

Analysing twitter data can be one of the main way to gather information about sentiments of people

.Sentiment analysis has many applications for different domains be it in field of business, education ,economy etc.In the project we’ll shine light on the sentiment analysis of twitter data

Introduction

Twitter is a very active microblogging social media platform. On an average 500 million tweets are posted in a day which means that by the time we have written this paragraph more than 180000 tweets might have been posted . The user posting these tweets is referred to as a “tweeter”. Each tweet is bound to be of less than or equal to 140 characters. Tweets are posted by a “tweeter” generally to express his her feelings on a particular subject. There are a number of firms which poll twitter for analysing sentiment . The challenge is to gather all such data ,detect and summarize the overall sentiment of the topic.

## Problem Statement

* + The problem in sentiment analysis is classifying the polarity of a given text at the document ,sentence or feature/aspect level.
  + Whether the expressed opinion in a document ,sentence or entire feature/aspect is positive or negative or neutral.

## Proposed System

Classified Tweets

Input (Keyword)

Tweets Retrieval

Data Pre-processing

Sentiment in Graphical

Representation

Classification Algorithm

## System Requirements ,Languages and Libraries

* + Linux Operating System
  + Python
  + NLTK Package
  + WebPy Framework Package
  + Modern Web Browser
  + HTML ,CSS ,Javascript
  + Twitter API ,Google API

**Reference**

* + [https://monkeylearn.com/blog/sentiment-analysis-of- twitter-data/](https://monkeylearn.com/blog/sentiment-analysis-of-twitter-data/)
  + <https://en.m.wikipedia.org/wiki/sentiment_analysis>