

7. Social Media Sentiment Analysis

Scenario:

Extract hashtags and calculate their frequency.

Datasets:

Tweets (tweets.csv):

TweetID	Text
1	"Love the new product! #tech"
2	"Amazing features! #innovation"

Output:

Hashtag	Frequency
#tech	1
#innovation	1

Files:

- tweets_week1.csv
- tweets_week2.csv
- tweets_week3.csv

Activities:

1. Extract hashtags from text.
2. Calculate frequency of each hashtag.
3. Identify trending hashtags.