DEVELOPING YOUTUBE REVIEW CRAWLING & ANALYSIS API

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NTHU
Text Mining
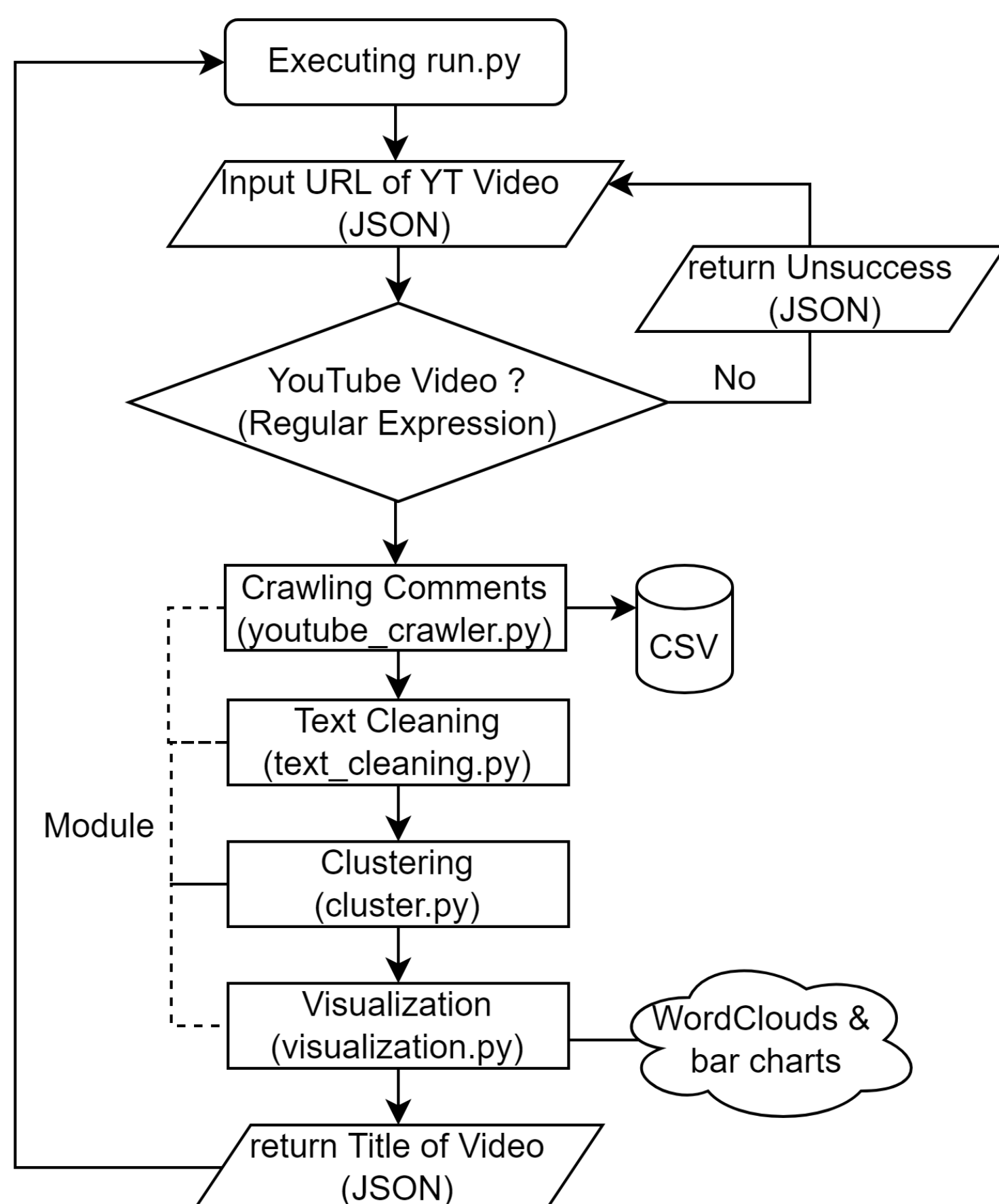
TSING HUA UNIVERSITY

MOTIVATION

Helping YouTubers with precise information about their video to help them improve the quality of the video and meet the thoughts of the viewers more. The way is to develop an API to crawl the comments on YouTube to analysis the comments. Besides, The viewers can use this API to know the mainstream thoughts of others.

API STRUCTURE

JSON input and Output, using Postman to test API

YOUTUBE REVIEW CRAWLER

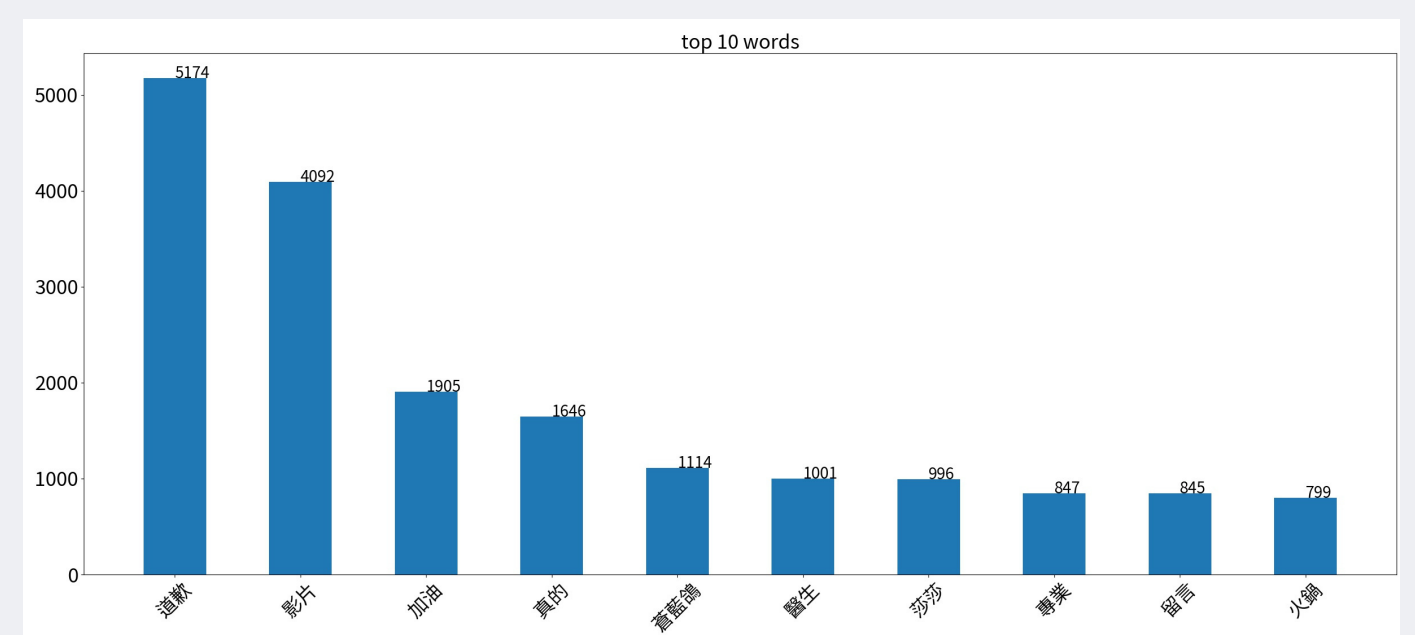Apply YouTube API Key for access right to crawl info. & comments of Video, then developing module to crawl

TEXT CLEANING

Preprocessing & tf-idf, Selecting Words from positive and negative dictionaries
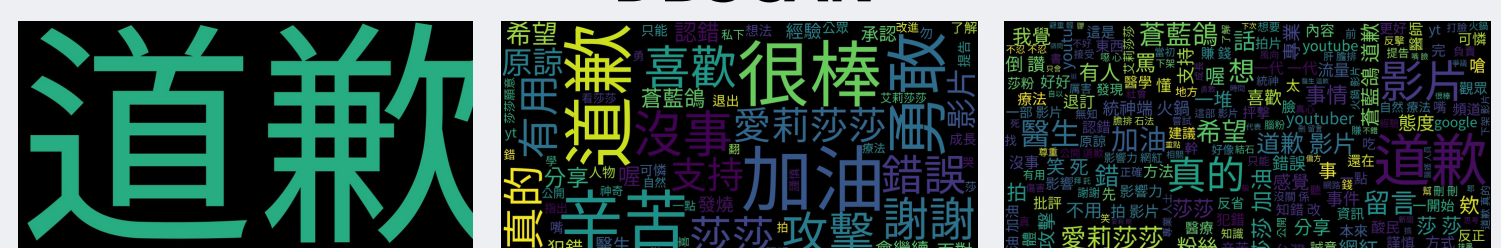
CLUSTERING

DBSCAN & k-means

VISULIZATION

DBSCAN

K-means