Analysing Reviews on Google by NLP

0816175 高靖 0816006 郭冠德 0816081 張以廉

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National Chiao Tung University

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Objectives

- Analysis reviews on Google map with different methods.
- Using different Language Model .
- TF-IDF (traditional ML) .
- Gensim + Word2vec/LSTM/BERT.

Machine Learning with Text (TF- IDF Vectorizer

Outcomes

- Positive/negative predictions.

- Furthermore, do the predict rating of a comment.

- Dataset:

1. Yelp reviews, which is an open source dataset, containing vast variety of comments to train the model.

2. Crawler from Google map reviews, using API or selenium to collect data from Google to train the model.

Related Work

- Using request & Beautiful soup to collect/extract data.
- To understand unsupervised learning model (BERT).
- using google colab environment