A SUMMARIZATION TOOL FOR HOTEL REVIEWS

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Abstract:

Abstract there's ample quantity of knowledge offered on the web. Necessary info will be gained by outlining the offered info. The manual creation of an outline is a troublesome task. Thence analysis community is developing new approaches for automatic text report that outlines mechanically. The outline is a shorter text that covers the necessary info from the original text. This paper discusses the basics of automatic text reports. To gauge automatic summaries are a difficult task. The challenges in evaluating summaries are represented. Strategies for analysis of summary each intrinsic and accidental are represented thoroughly. The paper concludes with some suggestions for future directions for outline analysis.

Keyword: Machine Learning, Natural Language processing.

Introduction:

In social media, users express their opinions or feelings through social media sites. These days, many travelers depend on hotel reviews as one of the sources in planning their travels. Travelers usually read reviews whenever they wish to go on vacation. The customer review is a way to gather experience without marketing consideration like hotel homepages and catalogs. The reviews are relevant because it is far more detailed and not biased.

Related work:

Summarization is a process of generating a short version of a text by retaining the meaning of the whole text. The main idea of summarizing process is to reduce the size and content of the source text into important information. The process contains the combination of information and the designation of the grade of importance of the information included in a text. In addition, it is a process that merges several activities such as comprehension, selection, interpretation, transformation, and generation.

1. Cluster Validity Analysis on Soft Set Based Clustering

Description: In this paper, the validity of the clusters produced by MAR was evaluated. The two datasets obtained from UCI-ML repository and an examination results obtained from Malaysian Ministry of Education.

2. QMOS: Query-based multi-documents opinion-oriented summarization

Description: This paper presents the QMOS method, which employs a combination of sentiment analysis and summarization approaches.
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3. REVIEW ON TEXT SUMMARIZATION EVALUATION METHODS

Description:

This paper discusses basics of automatic text summarization. To evaluate automatic summaries are also challenging task. The challenges in evaluating summaries are also described.

4. Opinion mining from online hotel reviews – A text summarization approach

Description:

Online travel forums and social networks have become the most popular platform for sharing travel information, with enormous numbers of reviews posted daily.

5. Word sense disambiguation based sentiment lexicons for sentiment classification

Description: This paper investigates the disambiguation of ambiguous words and builds domain oriented sentiment lexicons based on a well- known sentiment lexicon, the SentiWordNet [3] for the task of word-of-mouth (WOM) sentiment classification.

Motivation:

These days, many travelers depend on hotel reviews as one of the sources in planning their travels. Travelers usually read the reviews whenever they wish to go for vacations. Summarization is a way to shorten all the reviews without change the actual meaning of the sentence. In order to summarize the hotel reviews
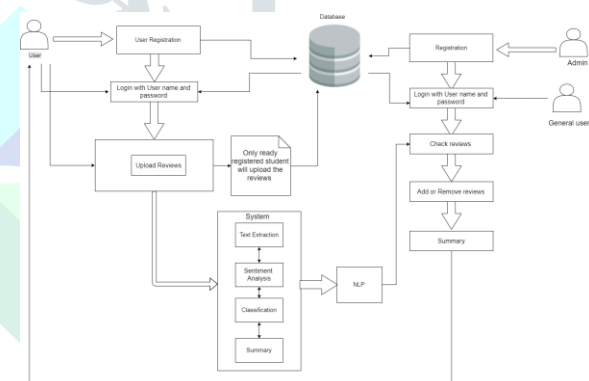
System Architecture:

Fig. The Proposed System

Conclusion:

It's very difficult to identify from reviews whether the hotel is good or bad Summarization is a way to shorten all the reviews without change the actual meaning of the sentence. In order to summarize the hotel reviews, a method named Featured Noun Pairing has been chosen.

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