

Paper Commentary Exercise

PoHao CHOU

October 31, 2014

1 A Bayesian Method to Incorporate Background Knowledge during Automatic Text Summarization – Rating: 4/5

Louis [?] proposed another aspect in summarization, which focuses on extracting new text deviating from previous knowledge on the topic. They proposed an algorithm that exploits Bayesian and KL-divergence to extract new and important sentences.

The paper proposed an interesting issue on summarization. Rather than extracting general importances for each document, extracting novel information is more helpful in some applications.

This inspired me that summarization can be variable, here the summarization is varied with knowledge corpus. Maybe there are others, like time or weather.

The setting of experiment and dataset is clear, but I wish they can provide the comparison between small and big background corpus for topic-based and surprise-based method.

I wish the paper can show the reason or comparison to use Dirichlet distribution to model hypothesis probability.