Abstract

Novelty detection system is used to extract documents with new or novel information from list of documents. Without looking for lot of redundant information, we can get useful information in a limited time. Cosine similarity and Language modeling are the two emerging techniques of information retrieval in today’s scenario. The current study performs the analysis and comparison between these two models.

References

3. Ming-Feng Tsai, Ming-Hung Hsu, and Hsin-Hsi Chen, Similarity computation in novelty detection, Department of Computer Science and Information Engineering National Taiwan
University, Taiwan.


7. Xuchang Zou, Raffaella Settimi, Jane Cleland-Huang, Chuan Duan, Thresholding Strategy in Requirements Trace Retrieval


10. Ian Soboro and Donna Harman National Institute of Standards and Technology Gaithersburg, MD, Novelty Detection: The TREC Experience, HLT ’05 Proceedings of the conference on Human Language Technology and Empirical Methods in Natural Language Processing Pages 105-112

**Index Terms**

Computer Science Information Sciences

**Keywords**

Cosine similarity, Information retrieval, Language modeling, Novelty detection, Smoothing