

Figure 3: Graph showing Clicked and unclicked count for user query

The results obtained for user input query can be shown as a bar graph. The clicked count and unclicked count are plotted as sessions versus count for clicked and unclicked count

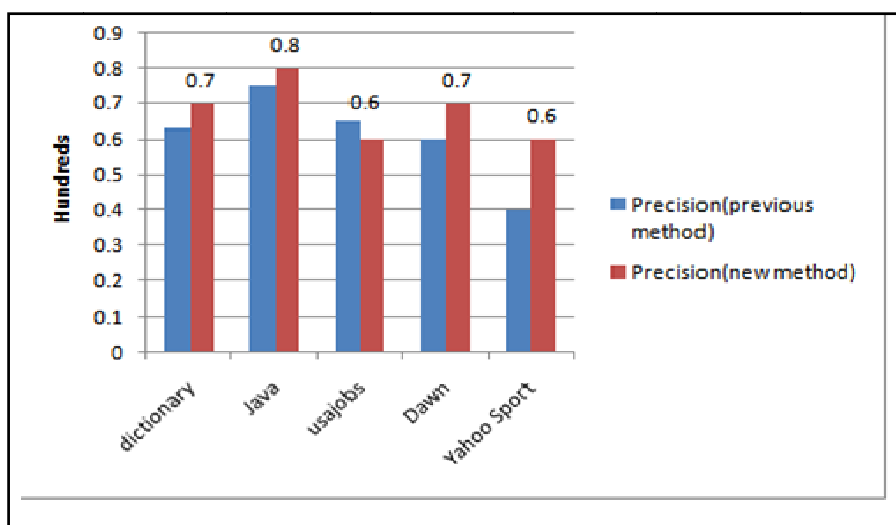


Figure 4: Precision comparison for previous method and proposed method

This approach is used to improve searching. The proposed system framework is useful and feasible to be used with real world search systems. It will help users to search information more precisely.

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#### References

- [1] X. Wang and C.-X Zhai, "Learn from Web Search Logs to Organize Search Results," Proc. 30th Ann. Int'l ACM SIGIR Conf. Research and Development in Information Retrieval (SIGIR '07), pp. 87-94, 2007.
- [2] B. Poblete and B.-Y Ricardo, "Query-Sets: Using Implicit Feedback and Query Patterns to Organize Web Documents," Proc. 17th Int'l Conf. World Wide Web (WWW '08), pp. 41-50, 2008.
- [3] M. Pasca and B.-V Durme, "What You Seek Is what You Get: Extraction of Class Attributes from Query Logs," Proc. 20th Int'l Joint Conf. Artificial Intelligence (IJCAI '07), pp. 2832-2837, 2007.
- [4] X. Li, Y.-Y Wang, and A. Acero, "Learning Query Intent from Regularized Click Graphs," Proc. 31st Ann. Int'l ACM SIGIR Conf. Research and Development in Information Retrieval (SIGIR '08), pp. 339-346, 2008.
- [5] R. Jones and K.L. Klinkner, "Beyond the Session Timeout: Automatic Hierarchical Segmentation of Search Topics in Query Logs," Proc. 17th ACM Conf. Information and Knowledge Management (CIKM '08), pp. 699-708, 2008.
- [6] H. Cao, D. Jiang, J. Pei, Q. He, Z. Liao, E. Chen, and H. Li, "Context-Aware Query Suggestion by Mining Click-Through," Proc. 14th ACM SIGKDD Int'l Conf. Knowledge Discovery and Data Mining (SIGKDD '08), pp. 875-883, 2008.
- [7] S. Beitzel, E. Jensen, A. Chowdhury, and O. Frieder, "Varying Approaches to Topical Web Query

- Classification,"Proc. 30th Ann. Int'l ACM SIGIR Conf. Research and Development (SIGIR '07), pp. 783-784, 2007.
- [8] R. Jones, B. Rey, O. Madani, and W. Greiner, "Generating Query Substitutions," Proc. 15th Int'l Conf. World Wide Web (WWW '06), pp. 387-396, 2006.
- [9] U. Lee, Z. Liu, and J. Cho, "Automatic Identification of User Goals in Web Search," Proc. 14th Int'l Conf. World Wide Web (WWW '05), pp. 391-400, 2005.
- [10] R. Jones, B. Rey, O. Madani, and W. Greiner, "Generating Query Substitutions," Proc. 15th Int'l Conf. World Wide Web (WWW '06), pp. 387-396, 2006.
- [11] H.-J Zeng, Q.-C He, Z. Chen, W.-Y Ma, and J. Ma, "Learning to Cluster Web Search Results," Proc. 27th Ann. Int'l ACM SIGIR Conf. Research and Development in Information Retrieval (SIGIR '04), pp. 210-217, 2004.
- [12] R. Baeza-Yates, C. Hurtado, and M. Mendoza, "Query Recommendation Using Query Logs in Search Engines," Proc. Int'l Conf. Current Trends in Database Technology (EDBT '04), pp. 588-596, 2004.
- [13] Zheng Lu, Student Member, IEEE, Hongyuan Zha, Xiaokang Yang, Senior Member, IEEE, Weiyao Lin, Member, IEEE, and Zhaohui Zheng "A New Algorithm for Inferring User Search Goals with Feedback Sessions "IEEE TRANSACTIONS ON KNOWLEDGE AND DATA ENGINEERING, VOL. 25, NO. 3, MARCH 2013.
- [14] C.-K Huang, L.-F Chien, and Y.-J Oyang, "Relevant Term Suggestion in Interactive Web Search Based on Contextual Information in Query Session Logs," J. Am. Soc. for Information Science and Technology, vol. 54, no. 7, pp. 638- Information Science and Technology, vol. 54, no. 7, pp. 638-649, 2003.

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