

References

- [1] M. S. Bernstein, J. Teevan, S. Dumais, D. Liebling, and E. Horvitz. Direct answers for search queries in the long tail. In *Proceedings of the 2012 ACM conference on Human Factors in Computing Systems*, pages 237–246, 2012.
- [2] Y. Chen, Y. Liu, K. Zhou, M. Wang, M. Zhang, and S. Ma. Does Vertical Bring more Satisfaction ? Predicting Search Satisfaction in a Heterogeneous Environment. In *International Conference on Information and knowledge management (to appear)*, 2015.
- [3] L. B. Chilton and J. Teevan. Addressing people’s information needs directly in aha web search result page. In *Proceedings of the International Conference on World Wide Web*, pages 27–36, 2011.
- [4] A. Chuklin and P. Serdyukov. Potential good abandonment prediction. In *Proceedings of the International Conference Companion on World Wide Web*, pages 485–486, 2012.
- [5] A. Chuklin and P. Serdyukov. Good abandonments in factoid queries. In *International Conference Companion on World Wide Web*, pages 483–484, 2012.
- [6] A. Diriye, R. White, G. Buscher, and S. Dumais. Leaving so soon? understanding and predicting web search abandonment rationales. In *Proceedings of the 21st ACM international conference on Information and knowledge management*, pages 1025–1034, 2012. ISBN 9781450311564.
- [7] M. Duggan and A. Smith. Cell Internet Use 2013, 2013. URL <http://www.pewinternet.org/2013/09/16/cell-internet-use-2013/>.
- [8] W. Fan. On the optimality of probability estimation by random decision trees. In *Proceedings of the AAAI Conference on Artificial Intelligence*, pages 336–341, 2004.
- [9] J. L. Fleiss. Measuring nominal scale agreement among many raters. *Psychological Bulletin*, 76(5):378–382, 1971.
- [10] S. Fox, K. Karnawat, M. Mydland, S. Dumais, and T. White. Evaluating implicit measures to improve web search. *ACM Transactions on Information Systems*, 23(2): 147–168, 2005.
- [11] Q. Guo and E. Agichtein. Ready to buy or just browsing? detecting web searcher goals from interaction data. In *Proceeding of the ACM International Conference on Research and Development in Information Retrieval*, pages 130–137, 2010.
- [12] Q. Guo and E. Agichtein. Beyond dwell time: Estimating document relevance from cursor movements and other post-click searcher behavior. In *Proceedings of the International conference on World Wide Web*, pages 569–578, 2012.
- [13] Q. Guo, S. Yuan, and E. Agichtein. Detecting success in mobile search from interaction. In *Proceedings of the ACM International Conference on Research and Development in Information Retrieval*, pages 1229–1230, 2011.
- [14] Q. Guo, D. Lagun, and E. Agichtein. Predicting web search success with fine-grained interaction data. In *Proceedings of the ACM Conference on Information and Knowledge Management*, pages 2050–2054, 2012.
- [15] Q. Guo, H. Jin, D. Lagun, S. Yuan, and E. Agichtein. Mining touch interaction data on mobile devices to predict web search result relevance. In *Proceedings of the ACM International Conference on Research and Development in Information Retrieval*, pages 153–162, 2013.
- [16] A. Hassan. A semi-supervised approach to modeling web search satisfaction. In *Proceedings of the ACM International Conference on Research and Development in Information Retrieval*, pages 275–284, 2012.
- [17] A. Hassan and R. W. White. Personalized models of search satisfaction. In *Proceedings of the ACM international conference on Conference on information & knowledge management*, pages 2009–2018, 2013.
- [18] A. Hassan, R. Jones, and K. L. Klinkner. Beyond dcg: User behavior as a predictor of successful search. *Proceedings of the ACM International Conference on Web Search and Data Mining*, pages 221–230, 2010.
- [19] A. Hassan, X. Shi, N. Craswell, and B. Ramsey. Beyond clicks: Query reformulation as a predictor of search satisfaction. In *Proceedings of the ACM International Conference on Information and Knowledge Management*, pages 2019–2028, 2013.
- [20] A. D. Jeff Huang. Web user interaction mining from touch-enabled mobile devices. In *HCIR Workshop*, 2012.
- [21] J. Jiang, A. H. Awadallah, R. Jones, U. Ozertem, I. Zitouni, R. G. Kulkarni, and O. Z. Khan. Automatic Online Evaluation of Intelligent Assistants. In *Proceedings of the International Conference on World Wide Web*, pages 506–516, 2015.
- [22] J. Jiang, A. H. Awadallah, X. Shi, and R. W. White. Understanding and Predicting Graded Search Satisfaction. In *Proceedings of the ACM International Conference on Web Search and Data Mining*, pages 57–66, 2015.
- [23] M. Kamvar, M. Kellar, R. Patel, and Y. Xu. Computers and iphones and mobile phones, oh my! In *Proceedings of the International Conference on World Wide Web*, pages 801–810, 2009.
- [24] D. Kelly. Methods for evaluating interactive information retrieval systems with users. *Foundation and Trends in Information Retrieval*, 3(1-2):1–224, 2009.
- [25] Y. Kim, A. Hassan, R. W. White, and Y.-M. Wang. Playing by the rules: mining query associations to predict search performance. In *Proceedings of the ACM international conference on Web search and data mining*, pages 133–142, 2013.
- [26] Y. Kim, A. Hassan, R. W. White, and I. Zitouni. Comparing client and server dwell time estimates for click-level satisfaction prediction. In *Proceedings of the ACM Conference on Research & Development in Information Retrieval*, pages 895–898, 2014.
- [27] Y. Kim, A. Hassan, R. W. White, and I. Zitouni. Modeling dwell time to predict click-level satisfaction. In *Proceedings of the ACM International Conference on Web Search and Data Mining*, pages 193–202, 2014.
- [28] D. Lagun, C.-H. Hsieh, D. Webster, and V. Navalpakkam. Towards better measurement of attention and satisfaction in mobile search. *Proceedings of the ACM Conference on Research & Development in Information Retrieval*, pages 113–122, 2014.
- [29] J. Landis and G. Koch. The measurement of observer agreement for categorical data. *Biometrics*, pages 159–174, 1977.
- [30] J. Li, S. Huffman, and A. Tokuda. Good abandonment in mobile and pc internet search. In *Proceedings of the ACM International Conference on Research and Development in Information Retrieval*, pages 43–50, 2009.
- [31] Z. Liao, Y. Song, L.-w. He, and Y. Huang. Evaluating the effectiveness of search task trails. In *Proceedings of the international conference on World Wide Web*, pages 489–498, 2012.
- [32] Y. Liu, Y. Chen, J. Tang, J. Sun, M. Zhang, S. Ma, and X. Zhu. Different Users, Different Opinions: Predicting Search Satisfaction with Mouse Movement Information. In *Proceedings of the ACM International Conference on Research and Development in Information Retrieval*, pages 493–502, 2015.
- [33] Y. Song, X. Shi, R. White, and A. H. Awadallah. Context-aware web search abandonment prediction. In *Proceedings of the ACM Conference on Research & Development in Information Retrieval*, pages 93–102, 2014.
- [34] S. Stamou and E. N. Efthimiadis. Interpreting user inactivity on search results. In *European Conference on Information Retrieval*, volume 5993, pages 100–113, 2010.
- [35] R. W. White, M. Richardson, and W.-t. Yih. Questions vs. Queries in Informational Search Tasks. In *Proceedings of the International Conference on World Wide Web*, pages 135–136, 2015.