

Chapter 1

Search Process on Fly

1.1 Context based Diversification

The human era is evolved and dominated through the ultimate intention to know about the Universe and its assets more and more. This in turn persuaded him to gather the immense information of need in the form of theory, tools, intuitions, visuals, and ultimately as the form of abstract objects[?],[?],[?], [?],[?], [?]. Deciding the context of the search query based on its representation over a concept network using fuzzy methods provides a better thrust to the overall search process. The existing context based search diversification process emphasizes the importance of the numerical representation of the query over a data repository [?], [?], [?], [?]. The search operation can use these semantically meaningful segments as a confident segment in the conceptual network.

Bibliography

//prg9.bib @articleffy, author=Liu, Fei and Liu, Feifan and Liu, Yang, title=A Supervised Framework for Keyword Extraction from Meeting Transcripts, journal=IEEE Transactions on Audio, Speech, and Language Processing, publisher=IEEE, volume=19, number=3, pages=538-548, year=2011 @articlexyshw, author=Liu, Xueqing and Song, Yangqiu and Liu, Shixia and Wang, Haixun, title=Automatic Taxonomy Construction from Keywords, journal=Proceedings of the 18th ACM SIGKDD international conference on Knowledge discovery and data mining, organization=ACM, pages=1433-1441, year=2012 @articlepdkgvym, author=Papadimitriou, Dimitra and Koutrika, Georgia and Velegarakis, Yannis and Mylopoulos, John, title=Finding Related Forum Posts through Content Similarity over Intention-based Segmentation, journal=IEEE Transactions on Knowledge and Data Engineering, publisher=IEEE, volume=29, number=9, pages=1860-1873, year=2017 @articlejaip, author=Jain, Alpa and Ipeirotis, Panagiotis G, title=A Quality-Aware Optimizer for Information Extraction, journal=ACM Transactions on Database Systems, publisher=ACM New York, NY, USA, volume=34, number=1, pages=1-48, year=2009 @articledpgk, author=Papadimitriou, Dimitra and Koutrika, Georgia and Velegarakis, Yannis and Mylopoulos, John, title=Finding Related Forum Posts through Content Similarity over Intention-based Segmentation, journal=IEEE Transactions on Knowledge and Data Engineering, publisher=IEEE, volume=29, number=9, pages=1860-1873, year=2017 @articletbhs, author=Chien, Jen-Tzung and Chueh, Chuang-Hua, title=Topic-based Hierarchical Segmentation, journal=IEEE Transactions on Audio, Speech, and Language Processing, publisher=IEEE, volume=20, number=1, pages=55-66, year=2011 @articlefpsu, author=Ferragina, Paolo and Scaiella, Ugo, title=Tagme: On-the-Fly Annotation of Short Text Fragments, journal=Proceedings of the 19th ACM international conference on Information and knowledge management, publisher=ACM, pages=1625-1628, year=2010 @articlesysxh, author=Song, Yangqiu and Liu, Shixia and Liu, Xueqing and Wang, Haixun, title=Automatic Taxonomy Construction from Keywords via Scalable Bayesian Rose Trees, journal=IEEE Transactions on Knowledge and Data Engineer-

ing, publisher=IEEE, volume=27, number=7, pages=1861-1874, year=2015
@articlezwjfw, author=Zhuang, Yueting and Wang, Hanqi and Xiao, Jun
and Wu, Fei and Yang, Yi and Lu, Weiming and Zhang, Zhongfei, title=Bag-
of-Discriminative-Words Representation via Topic Modeling, journal=IEEE
transactions on knowledge and data engineering, publisher=IEEE, volume=29,
number=5, pages=977-990, year=2017 @articlejwjh, author=Shen, Wei and
Wang, Jianyong and Han, Jiawei, title=Entity Linking with a Knowledge
Base: Issues, Techniques, and Solutions, journal=IEEE Transactions on
Knowledge and Data Engineering, publisher=IEEE, volume=27, number=2,
pages=443-460, year=2015 @articledwhh, author=Dou, Dejing and Wang,
Hao and Liu, Haishan, title=Semantic Data Mining: A Survey of Ontology-
based Approaches, journal=Proceedings of the 2015 IEEE 9th international
conference on semantic computing (IEEE ICSC 2015), organization=IEEE,
pages=244-251, year=2015