

Propositions

1. For a more accurate evaluation, studies on blocking methods for entity resolution should also evaluate the proposed approaches using non-perfect matching functions. (Chapter 3)
2. Using lexical matching *and* pattern matching simultaneously improves the instantiation of ontologies from semi-structured data. (Chapter 4)
3. The performance of taxonomy mapping approaches is improved when the similarity of the nodes in a candidate taxonomy path is taken into account as part of the final similarity. (Chapter 5)
4. Ordering facets in a product search user interface lowers the user effort for drilling-down to the desired product. (Chapter 6)
5. Fuzzy product search improves the ability of users to find products for a query for which there is not an exact match. (Chapter 7)
6. In computational studies, careful replication of existing research is just as important as proposing new algorithms.
7. The value and contribution of a proposed approach is not only reflected by statistical significance.
8. Scientific competitions and standardized evaluations should be encouraged more in all fields of Computer Science.
9. For a Ph.D. candidate, being proficient in software development is both a curse and a blessing for the efficiency of the Ph.D. trajectory.
10. Internships at a large IT company such as Google teach important skills that cannot be taught at a university. Therefore, all Ph.D. candidates in Computer Science should be encouraged to do an internship at such a company.
11. The ingredients for a successful and happy Ph.D. candidate is the right balance between doing research, visiting conferences, and publishing in scientific journals.