IEEE AINA 2015 Keynote Talk I

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How to Help Researchers Using Prescriptive Analytics and Complex Event Processing?

Abstract

Explosively increased Big Data and very fast technical evolutions require an entirely new analytics that is able to precisely analyze researchers’ activities until now and to provide research directions from now on. Prescriptive analytics shows fundamental difference with descriptive/predictive analytics in that it should provide multiple strategies to achieve a given research direction. Complex event processing also shows a new way to read implicit intentions from many kinds of activities such as publishing article, travelling on business, and attending conference. Thus, this talk shows a case study by explaining requirements and factors for implementing a personalized research service with InSciTe Advisory, as a data-intensive intelligent service, for helping to find plausible research directions. This talk also covers data gathering, information extraction from entities to simple events, reasoning, and Hadoop ecosystem.