Business Intelligence Vendor Selection Based on BI Life Cycle: A Fuzzy AHP Approach

Business Intelligence (BI) had attracted many professionals in fields of software and IT management; though there is no crystal clear definition of BI, however, it is related to set of processes and tools which transform raw data to actionable information to improve business performance. Selecting a competent BI vendor is being a confusing problem for corporations. In this paper a fuzzy analytic hierarchy process (AHP) model is developed for such a problem. First the methodology is introduced; then based on BI Life Cycle (BILC) a Fuzzy hierarchy is constructed. Selecting an appropriate vendor based on corporation BI stage of maturity and classified vendors, and the non-crisp result are advantages of this approach. Finally suggestions for future research are presented.

Keywords:
Business Intelligence, Vendor Selection, BI Life Cycle, Fuzzy AHP

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