

ABSTRACT

Job Matching on i-CDC Data Using Latent Semantic Analysis

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Finding the best candidates for a job vacancy is still not a simple thing. It takes multiple process involving so many person, and also takes time. Building a computerized job matching system might be a solution to make this problem simpler. The concept of document matching could be implemented for this case. Between the document of job seekers and the document of job vacancy will be matched by looking their similarity. It was proved that there is a way to handle numeric data in LSA. LSA collaborated with selection approach for numeric is able to improve the precision .This study also proved that pre-processing step (stopping step/ adding stop word) influence the result. Pre-processing step could improve the precision of system with modified LSA for numeric (with selection & weighting approach). This study also showed that the optimal rank k approximation can be obtained at the half first range of k, for 100 numbers data of job seekers compared with 20 numbers data of vacancy.

Keyword: LSA, Stopping Step, Stop Word, Numeric Data, Rank Approximation