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1. Job Recommendation based on Job Seeker Skills: An Empirical Study

This article was published in March 2018

In the last years, job recommender systems have become popular since they successfully reduce information overload by generating personalized job suggestions. The contributions of this work are twofold, we:

i) made publicly available a new dataset formed by a set of job seekers profiles and a set of job vacancies collected from different job search engine sites.

ii) put forward the proposal of a framework for job recommendation based on professional skills of job seekers.

2. Job Recommendation System Using Machine Learning And Natural Language Processing

This article was published in May 2020

This domain is the Hiring process, where a job seeker applies to a job by creating a profile on a job portal by providing all his/her work preferences. These work preferences of each user can be collected from each user and provide job recommendations based on their preference. Data acquired for our study has no previous interaction between the user data and Job listing data. With such a dataset, we have addressed the issue of cold start from both User and Job perspective.

3. A survey of job recommender systems

This article was published on July 2012

The Internet-based recruiting platforms become a primary recruitment channel in most companies. While such platforms decrease the recruitment time and advertisement cost, they suffer from an inappropriateness of traditional information retrieval techniques like the Boolean search methods. Consequently, a vast amount of candidates missed the opportunity of recruiting. In order to improve the e-recruiting

functionality, many recommender system approaches have been proposed. This article will present a survey of e-recruiting process and existing recommendation approaches for building personalized recommender systems for candidates/job matching.