
Project Report: User-Job Suitability Measurement System

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Abstract

Abstract here.

1 Introduction

2 Problem Formulation

if we assume that all job seekers are extremely knowledgeable (understand clearly and completely the profile and requirement of every job) and rational (never apply for the unsuitable jobs), we can directly makes use of the score obtained in the application prediction. However, such assumption receives little support from practical analysis, in the sense that people tend to apply for the job positions with higher salaries and correspondingly much more capability seeking.

2.1 Suitability Measurement As Matrix Completion

0. failure of traditional binary classifier 1. content-based filtering 2. collaborative filtering 2.1 nearest neighbour method 2.2 latent factor model 3. Features-incorporated Matrix Completion 3.1 dhillon's paper: inductive matrix completion 3.2 propose kernel-based inductive matrix completion? 4.

2.2 Suitability Measurement with Prerequisites

1. simulate course recommendaiton (by adita)

2.3

2.4

3 Experiments

3.1 Application Prediction

2. suitability problem

References