

Abstract

Preparation for entering college environment which different from high school make many equal high school students do some preparations, starting from do practice to college enrollment examination, determine college which will be a next study target, until determine major. But choosing ideal major become a polemic, because they have trouble on determining major which will bring them to their desired job based on their dream. Consequently, many of them feel that they pick wrong major after enroll the college and become college students. it would affect to their poor GPAs and have problem to apply a job in the competitive age. In this Final Task, build a recommender system which able to predicting or giving a rating to the best majors based on some subjects which will be the contextual information they have and social popularity which are got from major ratings of previous students who enroll the college and become the part of the major, and usage of Simple Additive Weighting as a method for supports this recommender system. From the testing result, it obtain the accuracy value of 85,68% and obtain good result for user satisfaction through questionnaire.

Keywords: contextual information, social popularity, simple additive weighting, recommender system, major