

Knowledge Sharing Platform Analysis among Big Data Expert Community

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Abstract

In various scientific and business fields, a large volume of data needs to be analyzed and exchanged among users. This vast pool of data can provide answers to numerous questions and solve many problems when properly extracted by experts, known as data scientists. The collaboration of these data experts helps capture and share expertise, experiences, ideas and its crucial for the improvement and problem solving. The sharing of data and information must be balanced and controlled to maximize its effectiveness and creating an infrastructure to distribute high-performance, discovered knowledge across a geographically diverse community is essential. This study developed a website as a platform for sharing big data within the data scientist's community, using the TAM theoretical model to focus on its usefulness and ease of use. The website, named the Expert Community website, was reviewed by two experts and launched for three months. A survey was designed based on the System Usability Scale, a reliable tool for measuring usability, distributed between 25 users for a usability test and to assess the website's applicability. Based on expert reviews and usability test results, the website was found to be effective in facilitating knowledge sharing within the data scientist's community.

