

Improve software effort estimation using information Entropy

Abstract

Effort estimation is so important and determinative in management and development of software projects. Most of the approaches that have been proposed in software estimation are suffered from low accuracy according to limitation of dataset's samples. So, in this paper a hybrid method has been proposed in order to increase the accuracy and decrease the time complexity. In this way, a feature selection has been used before the main methods to improve the accuracy and reduce feature space complexity. Finally, hybrid method performances are promising better result than other algorithms.

Keywords: *Software Effort Estimation, Feature Selection, Statistical Algorithms, Functional Algorithms*