Abstract

Software testing is always a hot field in software engineering for both industry and academia. Traditional research focused on software quality instead of quality testing which can be evaluated through organization software testing. Previously, software testing management was based on statistical methods completely. In recent years, machine learning algorithms are developing rapidly for software quality testing management.

In this reference, Logit regression (LR) model used widely in various domains like book classification, credit card investigation etc. In this research paper, the objective is to implement the Logit regression model in software testing quality management. Here, a latest metrics framework methodology is implemented for matrix testing management. Finally, the Logit regression model is testing on a financial unit data set.

**Index Terms**

Computer Science  
Software Engineering

**Keywords**

Logit regression model, software metrics testing management, total testing quality, WEKA