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Abstract

Department of Electrical Engineering

Master of Engineering

On Software Development Product Management: Feature Selection and Model Analysis for Predicting Jira Issue Attributes

by Eugene Sokolov

In this paper, we explore feature selection and model analysis for predicting bug attribute labels for issues in a modified Jira issue tracking repository dataset. Analysing different features of the dataset and performing model exploration, we were able to predict issue completion time, issue priority, and issue resolution with high precision and recall. We built on previous research on predicting such issue tracking classes and confirmed the importance of features such as *reporter*, *assignee*, and *watchers*.