Software Engineering Seminar (SoSe 2015)

Software Fault Prediction

Description

Software faults are the main problem that affects overall software reliability. The prediction of the number of faults allows the developers to estimate overall reliability of the software during the development process. Furthermore, the prediction of their location can improve the testing process by focusing on the crucial modules which may contain the highest number of faults. The current approaches of fault prediction take into account the software metrics, e.g., lines of code, number of methods, number of attributes, and use various techniques to predict the number and the location of faults. This seminar paper shall investigate the techniques which can be used to predict software fault and estimate the reliability of the systems.

References


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