

# Who can fix this Bug

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January 29, 2019

## What they have done ?

The Open source bug repositories get bugs from developers and users. Most of them lead to a enhancement or improvement in quality of the software. But some of them are found to be repetitive or irrelevant. Each bug must be triaged or understood completely and if it has relevant meaning or leading to an enhancement then it is assigned to a developer. The author has proposed a semi automated approach to reduce the time spent on assigning the bugs. This method uses supervised machine learning algorithms to assign the bugs to the developers. In machine learning view this can be seen as multi class classification, making the developer as the class and summary, description as the features. The author mentioned it as SEMI AUTOMATED because, there is human interaction included in the solution. For a newly reported bug, the proposed solution recommends a set of developers, who can fix the bug. A Triager ( person who understands the bug and assigns the bug to the developer) will select one from the set of the recommended developers.

## How we can relate this problem to current problem ?

In this work author has classified the bugs on basis of 'assigned to '(developer). They have used Summary and Description as features. By using the same features we can classify them on basis of 'component'. As the problem in Bosch is the bug is assigned to wrong component.

**Paper** Who should fix this bug ?