Abstract

Code review is done to identify bugs or errors in a pre-released source code of any software work product. However it is also clear that some code review techniques that we follow are not totally effective and efficient in nature. This paper proposes a way to evaluate code review technique using Analysis of Variance (ANOVA) technique. This evaluation finds out the effect of experience of subject, Lines of code review, order of code review and day of code review on efficiency and effectiveness of code review technique. This evaluation will in turn be used to analyze the null hypothesis that will be created using ANOVA technique. Based on the significance value (p-value) obtained in the ANOVA test we will accept or reject the null
hypothesis that we created to test the efficiency and effectiveness of code reading or review technique.

References

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Index Terms

Computer Science

Software Engineering
Keywords
Code Review  Anova Technique  Effectiveness  Efficiency  Static Testing