Abstract

This paper describes the relationship between two metrics CBO (Coupling between Objects) and MVG (McCabe’s Cyclomatic Complexity). CBO is the object oriented CK metric and MVG is the complexity metric. Here authors have analysed three projects with different complexity level. Authors also have calculated CBO and MVG metrics of these projects and found the correlation between these two metrics. We have found that on increasing CBO, MVG also increases in polynomial form. This correlation study provides an optimal value of CBO up to that value, software will be a quality software.

References

A Comparative Analysis of CBO over MVG to Improve Quality of Software

- C and C++ Code Counter, Available at: "http://sourceforge.net/projects/cccc/";
- MathWorks Products, Available at: "http://www.mathworks.in/downloads/web_downloads/"

Index Terms

Computer Science
Software Engineering

Keywords
CBO   MVG   Correlation between CBO and MVG.