Abstract

A number of researchers have conducted various empirical studies on the software metrics for Object Oriented design. The research proved that some of these metrics are very useful for forecasting the quality attributes of the software like extendibility/extensibility, effectiveness, reliability and maintainability. In this paper a hybrid approach is proposed for investigating the extendibility/extensibility of classes in Object Oriented design. The hybrid approach will comprised of subset of CK metric suite and mood metric suite. These days a great demand occur for finding software measurement so that quality of software can be forecasted. Therefore software engineering require various quality models that can be used for forecasting the characteristics for quality such as extendibility/extensibility, effectiveness, reliability and maintainability. The main objective of this work is to experimentally forecast the association between OOD metrics and extendibility/extensibility.

References
- D. Bellin, Manish Tyagi and Maurice Tyler, "Object-Oriented Metrics: An Overview", Computer Science Department, North Carolina A, T State University, Greensboro, NC 27411-0002.


Fuzzy Logic Approach to Forecast the Extendibility/Extensibility in Object Oriented Design using an Integrated Model


Index Terms

Computer Science Fuzzy Systems

Keywords

MOOD Metric suite CK metric suite Fuzzy inference system Mamdani inference model.