

Study	Dependent Variable(s)	Data Set	Analysis	Results
Li and Henry, 1993	Maintainability (measured by LOC changed)	Two commercial systems written in Classic-Ada	Linear Regression	Concludes that NOC, LCOM, RFC, WMC, DIT all predict maintenance efforts beyond what can be predicted for size alone.
Harrison et al., 1998	Size (LOC), testability (time to create automated tests), changeability (time to implement modifications), understandability (Boehm measures)	Five small projects written in C++	Correlation analysis	No results on DIT and NOC as no inheritance in data set. Negative correlation between WMC and the time to create automated tests for software. WMC was found to be negatively correlated with understandability. Both WMC and LCOM were negatively correlated with changeability.
Elish and Rine, 2003	Stability	Three medium-sized FLOSS projects written in Java	Correlation analysis	CBO, DIT, LCOM, RFC, and WMC (particularly CBO and RFC) were all found to be negatively correlated with stability.
Bruntink et al., 2006	Testability	Five medium/large-sized projects written in Java	Correlation analysis	Using the lines of test code and the number of test cases in the unit tests as a proxy for testability, they find that only DIT and NOC are predictors of testability.
Badri et al., 2011	Testability	Two medium-sized FLOSS projects written in Java	Correlation analysis and logistic regression	Found a correlation between LCOM and unit test coverage, validating the use of OO metrics as a predictor of the testability of classes
Saberwal et al., 2013	Bad code smells	One medium-sized FLOSS project written in Java	Logistic regression	RFC, LCOM, NOC and WMC found to be useful predictors of bad code smells.
Tufano et al., 2017	Bad code smells	Two hundred FLOSS projects	Linear regression	RFC, LCOM and WMC found to be predictors of code smells.