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Center for Systems and Software Engineering

USC Viterbi School of Engineering Celebrating 10² Years



# TOOLS

## COCOMO

The COCOMO Suite is our name for a collection of COCOMO-related estimation models and tools in various stages of development. These models attempt to estimate impacts on software system cost, development schedule, defect density, and even return on technology investment associated with a variety of software development approaches and processes. Factors effecting the software cost and schedule estimates, and resulting in derivative COCOMO models and/or tools, include the use of COTS, security, Rapid Application Development approaches, and RUP/MBASE development models (non-waterfall). There are even models going beyond the purely software development arena into systems engineering.

USC COCOMO 81 This program is an implementation of the 1981 COCOMO Intermediate model. It predicts software development effort, schedule, and effort distribution via point estimates. It is available for Sun Sparc Unix and Microsoft Windows 3.1/95/NT platforms.

USC COCOMO II This program is an implementation of the COCOMO II Post-architecture model. It predicts software development effort, schedule, and effort distribution via range estimates. It is available for Sun Sparc Unix, Microsoft Windows 95/NT, and Java-enabled platforms.

Unified Code Count The Unified Code Count toolset is a collection of tools designed to automate the collection of source code sizing information. The Unified Code Count toolset spans multiple programming languages and utilizes one of two possible Source Lines of Code (SLOC) definitions, physical or logical.

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**If a software download from this page *fails* , then ftp the software directly by doing the following:**
**For COCOMO: % ftp ftp.usc.edu % Name: anonymous password: (your email address) ftp> cd pub/soft_engineering ftp> bin ftp> cd COCOMOII (or cd cocomo81) ftp> get MSWin.zip (or get SunOS4.x.tar.Z)**