

COCOMOII.2000.2 (CONSTRUCTIVE COST MODEL)

Objective: To develop software cost and schedule estimation model tuned to the life cycle practices of the 1990's and 2000's; to develop software cost database and tool support capabilities for continuous model improvement; to provide a quantitative analytic framework, and set of tools and techniques for evaluating the effects of software technology improvements on software life cycle costs and schedule.

Rationale: Tailorability of an organization process to its own process drivers; consistency of the granularity of the cost estimation with the granularity of available information; provide range estimates to the degree of definition of the estimation inputs.

Target Users: Customers, Managers, System Engineers, Software Engineers, Cost Analysts

Scope: Generation of Effort and Schedule Estimates; Calibration; Risk Assessment

Project Type: Multi-year USC-CSE research project

Developers:

Principal Investigator: Dr. Ellis Horowitz;

Student Programmers and Testers: Jongmoon Baik, Keun Lee

Runs On: Windows95/98/NT/2000/XP

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Technical Approach: COCOMOII follows the openness principles used in the original COCOMO. Thus, all of its relationships and algorithms will be publicly available. Also, all of interfaces are designed to be public, well-defined, and parameterized, so that complementary preprocessors, post-processors, and higher level packages, can be combined straightforwardly with COCOMOII.

Future Directions:

Add new features (FP input, ED model risk analysis, etc)

Update Interface