



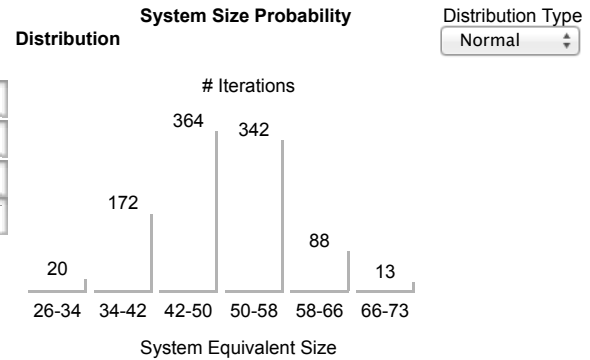
COCOMO II - Constructive Cost Model

Model(s)	COCOMO and COSYSMO
Monte Carlo Risk	On
Auto Calculate	Off

System Size

of System Requirements
of System Interfaces
of Algorithms
of Operational Scenarios

Easy	Nominal	Difficult
13	8	2
1	1	
1	1	



System Cost Drivers

Requirements Understanding	High	Documentation	High	Personnel Experience/Continuity	Very High
Architecture Understanding	High	# and Diversity of Installations/Platforms	Nominal	Process Capability	High
Level of Service Requirements	Nominal	# of Recursive Levels in the Design	Nominal	Multisite Coordination	High
Migration Complexity	Nominal	Stakeholder Team Cohesion	Very High	Tool Support	Very High
Technology Risk	Low	Personnel/Team Capability	Very High		

Maintenance Off

System Labor Rates

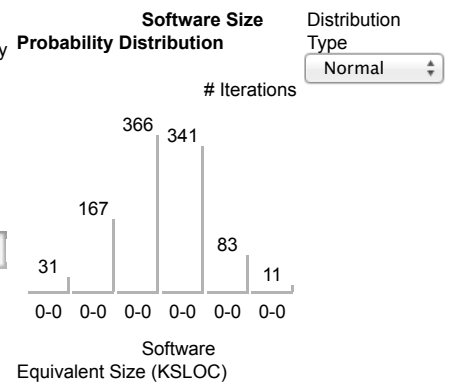
Cost per Person-Month (Dollars) 70,000

Software Size

Sizing Method Source Lines of Code

SLOC

	% Design Modified	% Code Modified	% Integration Required	Assessment and Assimilation (0% - 8%)	Software Understanding (0% - 50%)	Unfamiliarity (0-1)
New	225					
Reused	400	0	0			
Modified	40	0	10			



Software Scale Drivers

Precedentedness	Nominal	Architecture / Risk Resolution	Low	Process Maturity	High
Development Flexibility	Very High	Team Cohesion	High		

Software Cost Drivers

Product

Required Software Reliability	Nominal
Data Base Size	Nominal
Product Complexity	Low
Developed for Reusability	Nominal

Personnel

Analyst Capability	High
Programmer Capability	Very High
Personnel Continuity	Very High
Application Experience	High

Platform

Time Constraint	High
Storage Constraint	Nominal
Platform Volatility	Nominal

Project

Documentation Match to Lifecycle Needs

Nominal

Platform Experience

High

Use of Software Tools

Nominal

Language and Toolset Experience

Very High

Multisite Development

Nominal

Required Development Schedule

Nominal

MaintenanceOff

Software Labor Rates

Cost per Person-Month (Dollars)

70,000

Calculate

Results
Systems Engineering
Effort =1.6 Person-months
Schedule = 1.7 Months
Cost = \$109

Total Size =49 Equivalent Nominal Requirements

Acquisition Effort Distribution (Person-Months)

Phase / Activity	Conceptualize	Develop	Operational Test and Evaluation	Transition to Operation
Acquisition and Supply	0.0	0.1	0.0	0.0
Technical Management	0.1	0.1	0.1	0.0
System Design	0.2	0.2	0.1	0.0
Product Realization	0.0	0.1	0.1	0.1
Product Evaluation	0.1	0.1	0.2	0.1

Software Development (Elaboration and Construction)

Effort = 0.2 Person-months
Schedule = 2.2 Months
Cost = \$14

Staffing Profile

Your project is too small to display a staffing profile due to truncation.

Total Equivalent Size = 226 SLOC

Acquisition Phase Distribution

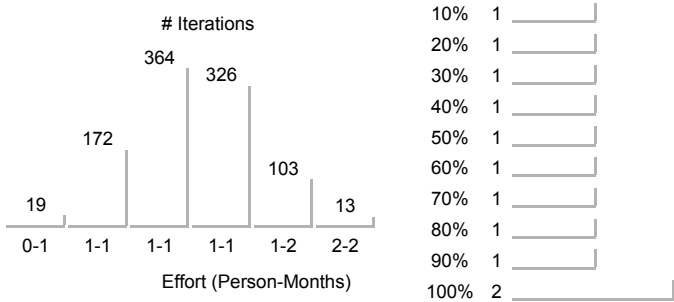
Phase	Effort (Person-months)	Schedule (Months)	Average Staff	Cost (Dollars)
Inception	0.0	0.3	0.0	\$1
Elaboration	0.0	0.8	0.1	\$3
Construction	0.2	1.4	0.1	\$11
Transition	0.0	0.3	0.1	\$2

Software Effort Distribution for RUP/MBASE (Person-Months)

Phase/Activity	Inception	Elaboration	Construction	Transition
Management	0.0	0.0	0.0	0.0
Environment/CM	0.0	0.0	0.0	0.0
Requirements	0.0	0.0	0.0	0.0
Design	0.0	0.0	0.0	0.0
Implementation	0.0	0.0	0.1	0.0
Assessment	0.0	0.0	0.0	0.0
Deployment	0.0	0.0	0.0	0.0

Acquisition Monte Carlo Results

Systems Effort Distribution Function Systems Effort Confidence Levels



Your output file is http://csse.usc.edu/tools/data/COCOMOandCOSYSMO_March_4_2014_12_07_10_625275.txt

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