



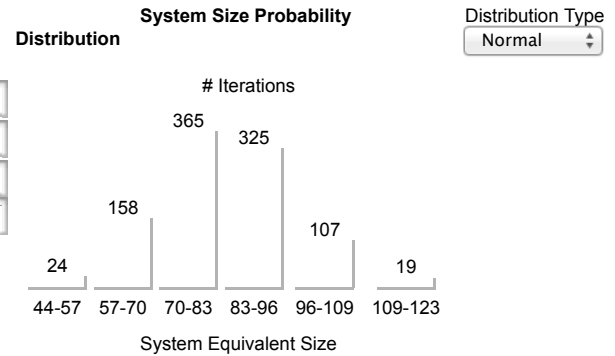
## COCOMO II - Constructive Cost Model

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
14	10	4
2	3	
1	2	



## System Cost Drivers

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

Maintenance Off

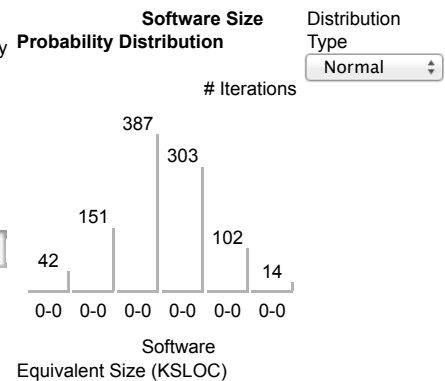
## System Labor Rates

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	120000						
Reused	10000	0	0				
Modified	40000	20	40				



## 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	High
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  
Language and Toolset Experience

High

High

Use of Software Tools

High

Multisite Development

Nominal

Required Development Schedule

Nominal

Maintenance Off

**Software Labor Rates**

Cost per Person-Month (Dollars)

Calculate

**Results****Systems Engineering**

Effort = 4.0 Person-months

Schedule = 2.4 Months

Cost = \$277

Total Size = 82 Equivalent Nominal Requirements

**Acquisition Effort Distribution (Person-Months)**

Phase / Activity	Conceptualize	Develop	Operational Test and Evaluation	Transition to Operation
Acquisition and Supply	0.1	0.1	0.0	0.0
Technical Management	0.1	0.3	0.2	0.1
System Design	0.4	0.5	0.2	0.1
Product Realization	0.1	0.2	0.2	0.1
Product Evaluation	0.2	0.3	0.5	0.2

**Software Development (Elaboration and Construction)****Staffing Profile**

Effort = 0.2 Person-months

Schedule = 2.2 Months

Cost = \$0

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

Total Equivalent Size = 170 SLOC

**Acquisition Phase Distribution**

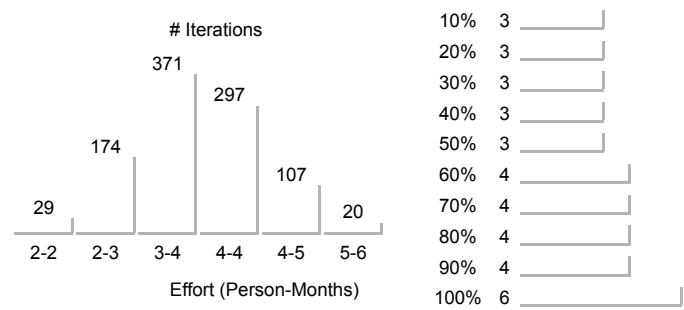
Phase	Effort (Person-months)	Schedule (Months)	Average Staff	Cost (Dollars)
Inception	0.0	0.3	0.0	\$0
Elaboration	0.0	0.8	0.1	\$0
Construction	0.2	1.3	0.1	\$0
Transition	0.0	0.3	0.1	\$0

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

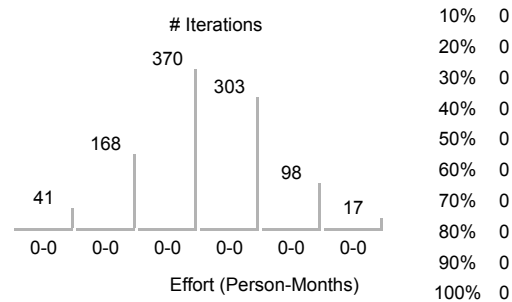
Phase/Activity	Inception	Elaboration	Construction	Transition
Management	0.0	0.0	0.0	0.0
Environment/CM	0.0	0.0	0.0	0.0
Requirements	0.0	0.0	0.0	0.0
Design	0.0	0.0	0.0	0.0
Implementation	0.0	0.0	0.1	0.0
Assessment	0.0	0.0	0.0	0.0
Deployment	0.0	0.0	0.0	0.0

**Acquisition Monte Carlo Results**

Systems Effort Distribution Function Systems Effort Confidence Levels



Software Effort Distribution Function Software Effort Confidence Levels



Your output file is [http://csse.usc.edu/tools/data/COCOMOandCOSYSMO\\_February\\_6\\_2014\\_08\\_06\\_40\\_628019.txt](http://csse.usc.edu/tools/data/COCOMOandCOSYSMO_February_6_2014_08_06_40_628019.txt)

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