



Software Size Sizing Method

[SLOC](#)

% Design Modified

% Code Modified

% Integration Required

Assessment and Assimilation (0% - 8%)

Software Understanding (0% - 50%)

Unfamiliarity (0-1)

New

Reused

Modified

Software Scale Drivers

Precedentedness

Architecture / Risk Resolution

Process Maturity

Development Flexibility

Team Cohesion

Software Cost Drivers

Product

Required Software Reliability

Data Base Size

Product Complexity

Developed for Reusability

Documentation Match to Lifecycle Needs

Personnel

Analyst Capability

Programmer Capability

Personnel Continuity

Application Experience

Platform Experience

Language and Toolset Experience

Platform

Time Constraint

Storage Constraint

Platform Volatility

Project

Use of Software Tools

Multisite Development

Required Development Schedule

Maintenance

Software Labor Rates

Cost per Person-Month (Dollars)

Results

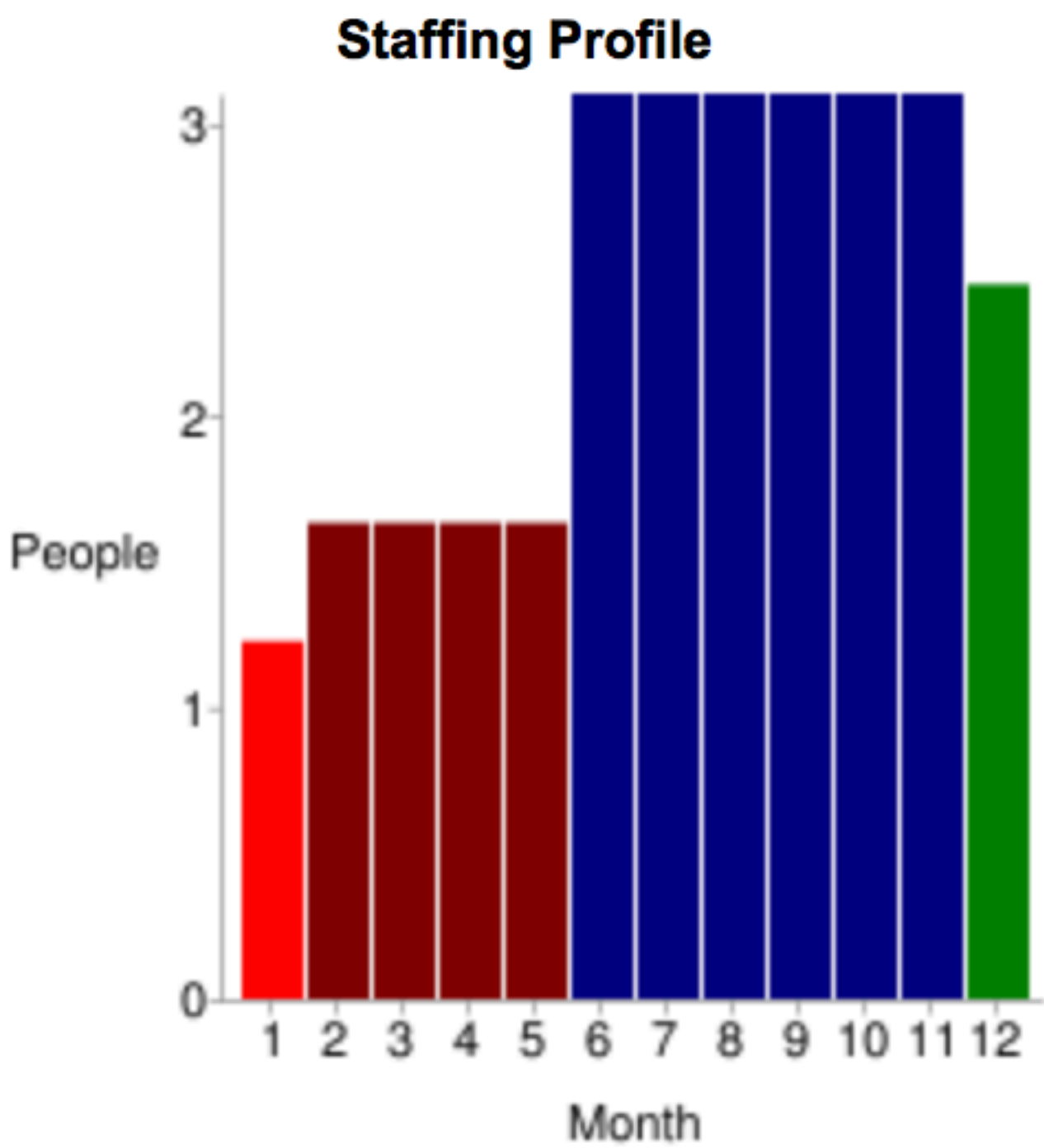
Software Development (Elaboration and Construction)

Effort = 28.2 Person-months
Schedule = 11.0 Months
Cost = \$56386

Total Equivalent Size = 5632 SLOC

Acquisition Phase Distribution

Phase	Effort (Person-months)	Schedule (Months)	Average Staff	Cost (Dollars)
Inception	1.7	1.4	1.2	\$3383
Elaboration	6.8	4.1	1.6	\$13533
Construction	21.4	6.9	3.1	\$42854
Transition	3.4	1.4	2.5	\$6766



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

Phase/Activity	Inception	Elaboration	Construction	Transition
Management	0.2	0.8	2.1	0.5
Environment/CM	0.2	0.5	1.1	0.2
Requirements	0.6	1.2	1.7	0.1
Design	0.3	2.4	3.4	0.1
Implementation	0.1	0.9	7.3	0.6
Assessment	0.1	0.7	5.1	0.8
Deployment	0.1	0.2	0.6	1.0

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Created by Ray Madachy at the Naval Postgraduate School. For more information contact him at rjmadach@nps.edu