

- Theoretical Distribution
- Test Case Repository Distribution
- Projected Impact Distribution

Scope

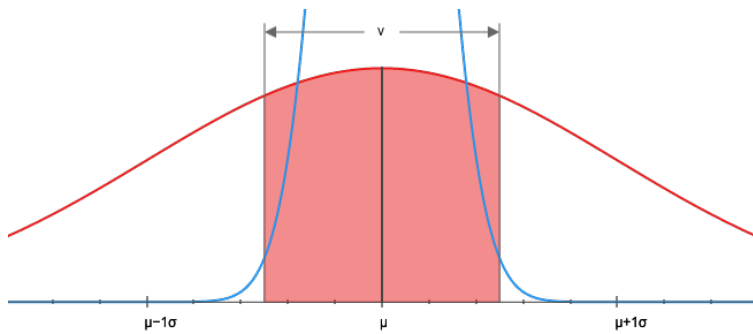
Test Case Repository	12,298
Projected Impact	20%
Sampling Confidence	95%
DIT's per Test Case	10

Sampling Distribution

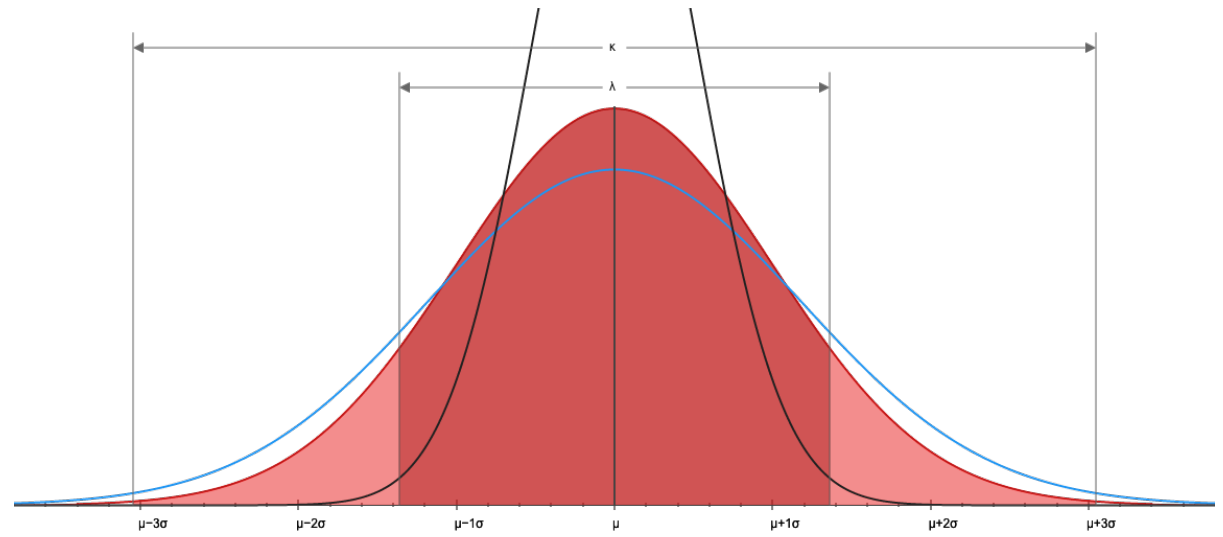
Functional Processes	26
Test Cases	332
Risk Mitigation { v }	38.33%

Analysis

Functional Processes associated with Test Case Repository	927
Functional Processes impacted by Project	186
Test Cases impacted by Project	2,460
Test Case Repository Coverage { κ }	99.77%
Test Cases Impacted by Project { λ }	82.66%



v = Sampling Distribution



κ = Test Case Repository Coverage

λ = Test Cases Impacted by Project

TEstimator Type-3

Type-3		Type-3	
Functional Processes	36	Test Cases	467
REstimator		REstimator	
Functional Processes	26	Test Cases	332

WorkFlow

Manual		Automated	
Progressive Testing	60%	REstimator Test Cases	40%
Anticipated Test Case Failures	30%		
Resources	1		
<i>Average Tester Resourcing over Quality Assurance Life-Cycle</i>			

Progression per Resource

Progressive Test Case Design Throughput	5
Progressive Test Case Execution Throughput	20

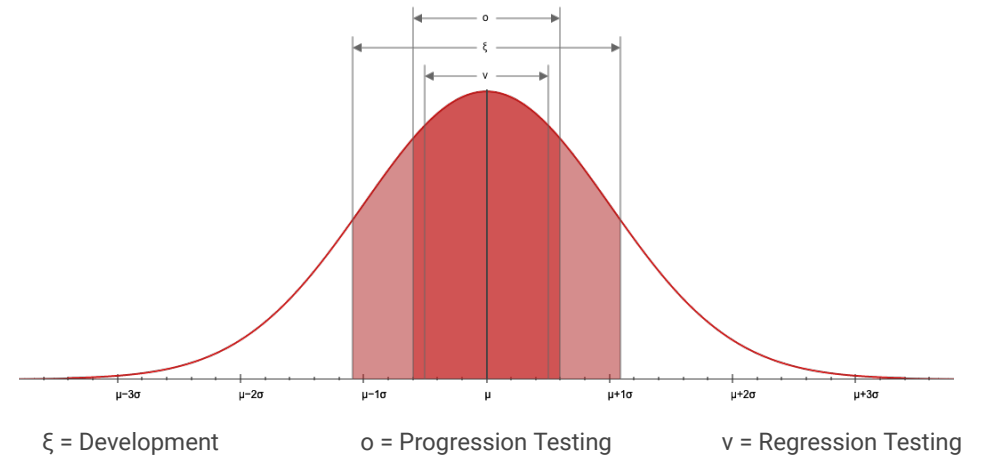
Regression per Resource

Regressive Test Case Modification Throughput	20
Regressive Test Case Execution Throughput	30

Progression Test Coverage of Development is calculated differently to the Regression Coverage. This is due to the fact that the Progression Test Approach incorporates effects upon the Standard Deviation arising from the application of Risk Quotient & / or Calibration Factor. Regression Tests are drawn from an existing repository which is independent of the effects of Standard Deviation relating to the Estimation Tool; therefore a simple ratio of areas is applicable

Analysis

Risk Exposure { ξ }	72.19%
Risk Mitigation { σ }	44.68%
Risk Mitigation { ν }	38.33%
Progression Test Coverage of Development	29.88%
Regression Test Coverage of Development	53.09%



Quality Assurance Breakdown	Test Cases	Man-Days	Man-Weeks	Man-Months
Progressive TEstimator Test Cases to be Designed	280	55.99	11.20	2.80
Regressive TEstimator Test Cases to be Modified	187	9.33	1.87	0.47
TEstimator Test Cases to be Executed	467	23.33	4.67	1.17
REstimator Test Cases to be Executed	200	6.65	1.33	0.33
Anticipated Defects	200	6.66	1.33	0.33
Total Executable Test Cases	866	101.96	20.39	5.10