

# BRIEF ARTICLE

THE AUTHOR

## 1. SOME FIGS

		percentile	raw	treated	
				global	local
CHINA (effort)	0 th	0	0	0	min = 26 max = 49,034
	25 th	1	1	1	
	median = 50 th	4	4	3	
	75 th	9	8	7	
	worst = 100 th	100	100	74	
	75th - 25th	8	8	6	

		percentile	raw	treated	
				global	local
NasaCoc (effort)	0 th	0	0	0	min = 5.9 max = 11,400
	25 th	0	4	0	
	median = 50 th	1	9	1	
	75 th	5	24	5	
	worst = 100 th	100	100	100	
	75th - 25th	5	20	5	

		percentile	raw	treated	
				global	local
LUCENE2.4 (defects)	0 th	0	0	0	min = 0 max = 30
	25 th	0	0	0	
	median = 50 th	3	0	0	
	75 th	10	3	0	
	worst = 100 th	100	23	0	
	75th - 25th	10	3	0	

		treated					
		percentile	raw	global	local		
XALAN2.6 (defects)	0 th	0	0	0	0	min = 0 max = 8	
	25 th	13	13	13	13		
	median = 50 th	13	13	13	13		
	75 th	33	25	13	13		
	worst = 100 th	100	100	63	63		
	75th - 25th	20	13	0	0		

		treated					
		percentile	raw	global	local		
JEDIT4.0 (defects)	0 th	0	0	0	0	min = 0 max = 23	
	25 th	0	0	0	0		
	median = 50 th	0	0	0	0		
	75 th	0	0	0	0		
	worst = 100 th	100	100	9	9		
	75th - 25th	0	0	0	0		

		treated					
		percentile	raw	global	local		
SYNAPSE1.2 (defects)	0 th	0	0	0	0	min = 0 max = 9	
	25 th	0	0	0	0		
	median = 50 th	0	0	0	0		
	75 th	0	0	0	0		
	worst = 100 th	100	100	33	33		
	75th - 25th	1	1	0	0		

		treated					
		percentile	raw	global	local		
VELOCITY1.6 (defects)	0 th	0	0	0	0	min = 0 max = 12	
	25 th	0	0	0	0		
	median = 50 th	0	0	0	0		
	75 th	8	8	8	8		
	worst = 100 th	100	100	50	50		
	75th - 25th	1	1	1	1		

cluster	NasaCoc	CHINA	LUCENE2.4	XALAN2.6	JEDIT4.0	VELOCITY1.6	SYNAPSE1.2	TOMCAT	XERCES1.4
global	kloc=1	afp=1	rfc=2	loc=1	rfc=2	cam=7	amc=1	loc=2	cbo=1
C1	rely=n	added=4	amc=7	amc=1	ic=7	noc=1	dit=4	cbm=1	dit=1
C2	prec=h	deleted=1	ca=1	cam=2	noc=1	dam=1 or 5		dam=1	dam=1
C3		deleted=1	dam=5	cam=3	amc=6	avg_cc=4		noc=1	ca=1 or 7
C4			mfa=1	dit=2 or 4	noc=1	moa=1		rfc=5	cbo=1
C5			moa=1	loc=1				lcom3=5	
C6				loc=1 or 2				max_cc=1	
C7				moa=1				cbm=1	
C8				moa=4					
C9				rfc=1					
C10				wmc=3					

  

repeat attribute	0	2 (deleted)	0	3 (loc) 2 (cam) 2 (moa)	0	0	0	2 (cbm)	2 (cbo)
repeat attribute values	0	2 (deleted=1)	0	3 (loc=1)	0	0	0	2 (cbm=1)	2 (cbo=1)
local = global?	0	0	0	2 (loc=1)	0	0	0	0	1 (cbo=1)

FIGURE 1. Treatments learned by WHICH for clusters found by WHERE.

		treated					
		percentile	raw	global	local		
TOMCAT (defects)	0 th	0	0	0	0	min = 0 max = 6	
	25 th	0	0	0	0		
	median = 50 th	0	0	0	0		
	75 th	0	0	0	0		
	worst = 100 th	100	100	100	33		
	75th - 25th	0	0	0	0		

  

		treated					
		percentile	raw	global	local		
XERCES1.4 (defects)	0 th	0	0	0	0	min = 0 max = 62	
	25 th	0	0	0	2		
	median = 50 th	2	2	2	4		
	75 th	4	4	4	5		
	worst = 100 th	100	100	100	34		
	75th - 25th	4	4	4	3		