Case Example 1:

Team Experience (experts, average, novice)

Expert developers tend to produce smaller and more concise programs. They also code faster. Even more important, experts have fewer bugs in their code and they find and remove almost all of them before release.

Novices tend to write bulky code slowly, and their code tends to have distressing numbers of bugs.

Example 1: How						
Software Risk Master						
(SRM) Evaluates						
Programmer Experience Levels						
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	Java Language f	or all 3 Ca	ases			
	1000 function points for all 3 Cases\$10,000 per month for all 3 Cases					
	Iterative development for all 3 Cases					
	132 effective wo	rk hours j	per month for all	3 Cases		
	2017 is the 30th anniversary of IFPUG function point metrics					
	Novice		Average		Expert	
	Programmers		Programmers		Programmers	
Language Level	5.75		6.00		6.25	
LOC per funct point	55.65		53.33		51.20	
						NT
LOC for 1000 ED					-1 000	Novices write more
	55,052		53,333		51,200	coue man experts.
						Noviene ende more
						slowly than
LOC coded per month	500		650		800	experts.
			0,00		000	caper to:
						Novice effort is
						greater than expert
Months of coding effort	111.30		82.05		64.00	effort.

\$ cost (\$10,000 mo)	\$1.113.043	\$820,513	\$640.000	Novice costs are much higher than experts.
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Coding \$ per FP	\$1,113.04	\$820.51	\$640.00	
Coding \$ per LOC	\$20.00	\$15.38	\$12.50	
Coding team size	7.00	6.00	5.00	Novice teams are usually larger than expert teams.
				Nardan al alaba
Coding schedule months	15.90	13.68	12.80	are longer than expert schedules.
Code bugs per FP	2.25	1.15	0.75	
Coding bugs	2,250	1,150	750	Novices produce more bugs in code than experts.
Code bug DRE %	90.00%	95.00%	99.00%	Novices remove fewer bugs from code than experts.
Codo bugs romovod	0.005	1.000	5 49	
Coue bugs removed	2,025	1,093	/43	
Code bugs remaining	225	58	8	Novices deliver many more code bugs than experts.

Bad fix %	12.00%	7.00%	2.50%	Novices make more "bad fixes" than experts.
				(Bad fix = new bug in bug repairs. U.S. average is 7%.)
Bad fixes	27	4	0	
Delivered code bugs	252	62	8	Novices deliver many more code bugs than experts.
High-severity bugs	30	5	0	Novices have more high-severity bugs than experts.
Delivered bugs per FP	0.25	0.06	0.01	
% of average delivered bugs	405.80%	100.00%	12.38%	Poor quality is the #1 difference between novices and experts
% of average cost	135.65%	100.00%	78.00%	Higher cost is the #2 difference between novices and experts

% of average code size	104.35%	100.00%	96.00%	novices and experts
				Writing excess code is the #5 difference between
% of average schedule	116.27%	100.00%	93.60%	Longer schedule is the #4 difference between novices and experts
% of average staffing	116.67%	100.00%	83.33%	the #3 difference between novices and experts