

Table A-1. The 14 basic change-level expert features. Source [16]

Dimension	Name	Definition
Size	LA	Lines of code added
	LD	Lines of code deleted
	LT	Lines of code in a file before the change
Diffusion	NS	Number of modified subsystems
	ND	Number of modified directories
	NF	Number of modified files
	Entropy	Distribution of modified code across each file
Purpose	FIX	Whether or not the change is a defect fix
History	NDEV	The number of developers that changed the modified files
	AGE	The average time interval between the last and the current change
	NUC	The number of unique changes to the modified files
Experience	EXP	Developer experience
	REXP	Recent developer experience
	SEXP	Developer experience on a subsystem

[16] Y. Kamei et al., "A large-scale empirical study of just-in-time quality assurance," in IEEE Transactions on Software Engineering, vol. 39, no. 6, pp. 757-773, June 2013, doi: 10.1109/TSE.2012.70.