

Information attributes	Variables	Extent of reporting.		
		Number of experiments		
		N	Total	%
Subjects	Sample size	113	113	100
	Mortality rate	24	113	21.2
	Type (student/professionals)	112	113	99.1
	Recruitment (Voluntarily/mandatory)	41	113	36.3
	Some kind of background information	99	113	87.6
	- Programming experience	37	113	32.7
	- Work experience	24	113	21.2
	- Task related experience	80	113	70.8
	- Grades	6	113	5.3
Experimental setting	Task	113	113	100.0
	Duration	69	113	61.1
	Application system	101	113	89.4
	Size of materials	67	113	59.3
	Location	40	113	35.4
	The use of tools	62	113	54.9
Design and analysis	Well-defined population	1	113	0.9
	Statistical power	1	92	1.1
	Effect size *	27	92	29.3
	Information available for estimation of at least one effect size	64	92	69.6
	Assignment procedure (randomized or quasi)	86	113	76.1
	Randomization method	3	66	4.5
Validity/limitations	Discussion of internal validity	71	113	62.8
	Threats to internal validity	26	113	23.0
	Discussion of external validity	78	113	69.0
	Discussing of statistical conclusion validity†	5	99	5.1
	Discussion of construct validity†	12	113	10.6

Note: Which experiments and articles that are included in these assessments is described in Appendix A.

* Extent of reporting refers to the number of experiments with at least one effect size reported.

† The number of experiments that discuss statistical conclusion validity and/or construct validity is based on the explicit use of these terms. The reporting of these types of validity needs to be investigated more thoroughly in future work.