

Agile Methods – Metrics

Author(s)	Year	Tech	LOC/Hr	Def/KLOC	Method	N	KLOC	Type
Abdullah & Abdelsatir	2013	XP	33.0591		Case	9	71	Transportation
Abrahamsson	2003	XP	19.2550	2.1450	Case	4	4	Application
Abrahamsson & Koskela	2004	XP	16.9000	1.4300	Case	4	8	Application
Back, Hirkman, & Milovanov	2004	XP	8.0000	0.7000	Exp	8	11	Application
Baheti, Gehringer, & Stotts	2002	PP	14.7560		Exp	48	71	Application
Baheti, Gehringer, & Stotts	2002	PP	18.5180		Exp	15	28	Application
Bhat & Nagappan	2006	TDD	4.2872		Case	12.5	59	Operating Sys.
Bowers et al.	2002	XP	18.1731	0.0325	Case	11	277	Telecomm
Ciolkowski & Schlemmer	2002	PP	14.9144		Case	12	7	Application
Cohn	2008	Scrum	5.9050	2.9000	Case	7	51	Biotechnology
Dalcher, Benediktsson, & Thorbergsson	2005	XP	6.2391		Exp	4	5	Application
Dalcher, Benediktsson, & Thorbergsson	2005	XP	14.5889		Exp	4	10	Application
Dalcher, Benediktsson, & Thorbergsson	2005	XP	23.7721		Exp	4	9	Application
Erdogmus & Williams	2003	PP	43.4780	3.5100	Case	28	50	Application
Goeschl, Herp, & Wais	2010	Scrum		0.9570	Case	9	228	Business
Grewal & Maurer	2007	Scrum	5.7117		Case	24	743	Business
Hashmi & Baik	2008	XP	16.8420		Case	19	9	Application
Huang & Holcombe	2008	TDD	12.3800		Exp	39	40	Application
Hulkko & Abrahamsson	2005	PP	15.6667	4.1500	Case	19	22	Application
Ilieva, Ivanov, & Stefanova	2004	XP	20.2030	3.2298	Exp	4	16	Application
Jones	2008	Scrum	5.7400	8.5000	Case	5	50	Application
Layman	2004	XP	9.1154	0.6250	Case	17	133	Transportation
Layman et al.	2006	XP	13.3846	1.6200	Case	8	18	Telecomm
Madeyski & Szala	2007	TDD	46.1800		Case	1	4	Application
Mah & Lunt	2008	XP	8.3494	0.5537	Case	20	219	Education
Mah & Lunt	2008	Scrum	9.8996	0.7583	Case	93	837	Network
Manzo	2002	XP	43.0000	0.5000	Case	17	400	Manufacturing
Maurer & Martel	2002	XP	17.0000		Case	9	424	Internet
Maximilien & Williams	2003	TDD		3.7000	Case	9	105	Retail
Nawrocki & Wojciechowski	2001	XP	99.2500		Exp	5	5	Application
Nawrocki & Wojciechowski	2001	PP	49.7500		Exp	5	4	Application
Pandey et al.	2003	PP	22.4462	2.3900	Exp	10	9	Medical
Qureshi	2011	XP	46.8100	0.4310	Case	5	37	Business
Schatz & Abdelshafi	2005	Scrum		0.3600	Case	90	1,500	Application
Sutherland	2007	Scrum	4.6858		Case	56	672	ERP
Sutherland et al.	2008	Scrum	4.6154	1.0000	Case	25	100	Transportation
Syed-Mohamad & McBride	2009	XP		4.1852	Case	75	62	Internet
Syed-Mohamad & McBride	2009	XP		2.6743	Case	75	139	Internet
Van Schoenderwoert	2006	XP	3.5000	0.1700	Case	4	61	Agriculture
Vanhanen & Korpi	2007	PP	15.4667	0.5500	Case	4	9	Business
Vanhanen & Lassenius	2005	PP	17.8403	0.3250	Exp	12	7	Application
Williams et al.	2011	Scrum	4.7250	1.5263	Case	4	46	Network
Williams et al.	2011	Scrum	2.2477	14.5446	Case	3	13	Network
Williams et al.	2011	Scrum	0.9730	2.5831	Case	19	58	Network
Williams, Layman, & Krebs	2004	XP	9.8077	0.2400	Case	7	36	Application
Williams, Maximilien, & Vouk	2003	TDD		0.6100	Case	9	65	Operating Sys.
Xu	2005	XP	17.9286	0.0400	Case	10	50	Business
Xu & Rajlich	2006	PP	86.4502	0.8651	Exp	8	1	Video Game