

▼ 1 Investigating Hybrid Strategies for Systematic Literature Review

Experiment 2

This notebook displays:

- 1. Citation Matrix;
- 2. Matrix of Indication of Steps to find the selected articles;
- 3. Graph of Indication of Steps to find the selected articles;
- 4. Backward and Forward Matrix.

Note: Citation Graph --> CitationGraph.ipynb

Selected Studies

Out[3]:

Title	Authors	Year	Metakey	Study
Using formal software development methodologies in a real-world student project: an experience report	Mitra, Sandeep and Bullinger, Thomas A	2007	mitra2007a	S1
All-out organizational Scrum as an innovation value chain	Barton, Brent	2009	barton2009a	S2
Better planning via tasking as a team	O'Connor, Christopher P	2010	oconnor2010b	S3
Letters from the edge of an agile transition	O'Connor, Christopher P	2010	oconnor2010a	S4
The impact of inadequate customer collaboration on self-organizing Agile teams	Hoda, Rashina and Noble, James and Marshall, Stuart	2011	hoda2011a	S5
Scaling agile product ownership through team alignment and optimization: a story of epic proportions	Saddington, Peter	2012	saddington2012a	S6
Architecting for Large Scale Agile Software Development: A Risk-Driven Approach	Ozkaya, Ipek and Gagliardi, Michael and Nord, Robert L	2013	ozkaya2013a	S7
Driving quality improvement and reducing technical debt with the definition of done	Davis, Noopur	2013	davis2013a	S8
Scrum Anti-Patterns--An Empirical Study	Eloranta, Veli-Pekka and Koskimies, Kai and Mikkonen, Tommi and Vuorinen, Jyri	2013	eloranta2013a	S9
When agile meets the enterprise	Van Waardenburg, Guus and Van Vliet, Hans	2013	waardenburg2013a	S10
Definition of ready: An experience report from teams at cisco	Power, Ken	2014	power2014a	S11
Quantitative assessment with using ticket driven development for teaching scrum framework	Igaki, Hiroshi and Fukuyasu, Naoki and Saiki, Sachio and Matsumoto, Shinsuke and Kusumoto, Shinji	2014	igaki2014a	S12
Social contracts, simple rules and self-organization: a perspective on agile development	Power, Ken	2014	power2014b	S13
Integrating usability work into a large inter-organisational agile development project: Tactics developed by usability designers	Wale-Kolade, Adeola Yetunde	2015	wale2015a	S14
Quality criteria for just-in-time requirements: just enough, just-in-time?	Heck, Petra and Zaidman, Andy	2015	heck2015a	S15
Securing Scrum for VAHTI.	Rindell, Kalle and Hyrynsalmi, Sami and Leppänen, Ville	2015	rindell2015a	S16
Towards a governance framework for chains of Scrum teams	Vlietland, Jan and van Vliet, Hans	2015	vlietland2015a	S17
Aligning codependent Scrum teams to enable fast business value delivery: A governance framework and set of intervention actions	Vlietland, Jan and Van Solingen, Rini and van Vliet, Hans	2016	vlietland2016a	S18
Exploring ScrumBut—An empirical study of Scrum anti-patterns	Eloranta, Veli-Pekka and Koskimies, Kai and Mikkonen, Tommi	2016	eloranta2016a	S19
Pragmatic Approach for Managing Technical Debt in Legacy Software Project	Gupta, Rajeev Kumar and Manikreddy, Prabhulinga and Naik, Sandesh and Arya, Kavi	2016	gupta2016a	S20

▼ 2 Citation Matrix

- 1. The line identifies the article references were found via backward.
- 2. The column identifies who cited it via forward.
- 3. The "-" indicates that it is not possible for the article in the row to have references (cite) the article in the column, due to the year of publication.
- 4. The empty cell indicates that the id row/column could have refer/cited the paper.

For example, it can be seen how ID Row (2015 S17) refer to (2012 S6) and (2013 S10) columns of row 17, and how ID Colum (2015 S17) is cited by (2016 S18) lines of colum 17.

Out[4]:

cited	id	2007 S1	2009 S2	2010 S3	2010 S4	2011 S5	2012 S6	2013 S7	2013 S8	2013 S9	2013 S10	2014 S11	2014 S12	2014 S13	2015 S14	2015 S15	2015 S16	2015 S17	2016 S18	2016 S19	2016 S20
ref																					
2007 S1	mitra2007a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009 S2	barton2009a			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2010 S3	oconnor2010b					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2010 S4	oconnor2010a					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2011 S5	hoda2011a						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2012 S6	saddington2012a							-	-	-	-	-	-	-	-	-	-	-	-	-	-
2013 S7	ozkaya2013a											-	-	-	-	-	-	-	-	-	-
2013 S8	davis2013a											-	-	-	-	-	-	-	-	-	-
2013 S9	eloranta2013a											-	-	-	-	-	-	-	-	-	-
2013 S10	waardenburg2013a					x						-	-	-	-	-	-	-	-	-	-
2014 S11	power2014a														-	-	-	-	-	-	-
2014 S12	igaki2014a														-	-	-	-	-	-	-
2014 S13	power2014b											x			-	-	-	-	-	-	-
2015 S14	wale2015a		x																-	-	-
2015 S15	heck2015a											x							-	-	-
2015 S16	rindell2015a																		-	-	-
2015 S17	vlietland2015a						x				x								-	-	-
2016 S18	vlietland2016a																	x			
2016 S19	eloranta2016a									x											
2016 S20	gupta2016a																				

Out[6]: 3

▼ 3 Matrix - Steps to Find Selected Article

Number of steps to find an article from the list of selected, through the articles found in the references and by whom cites it.

Subtitle: inf = infinite steps

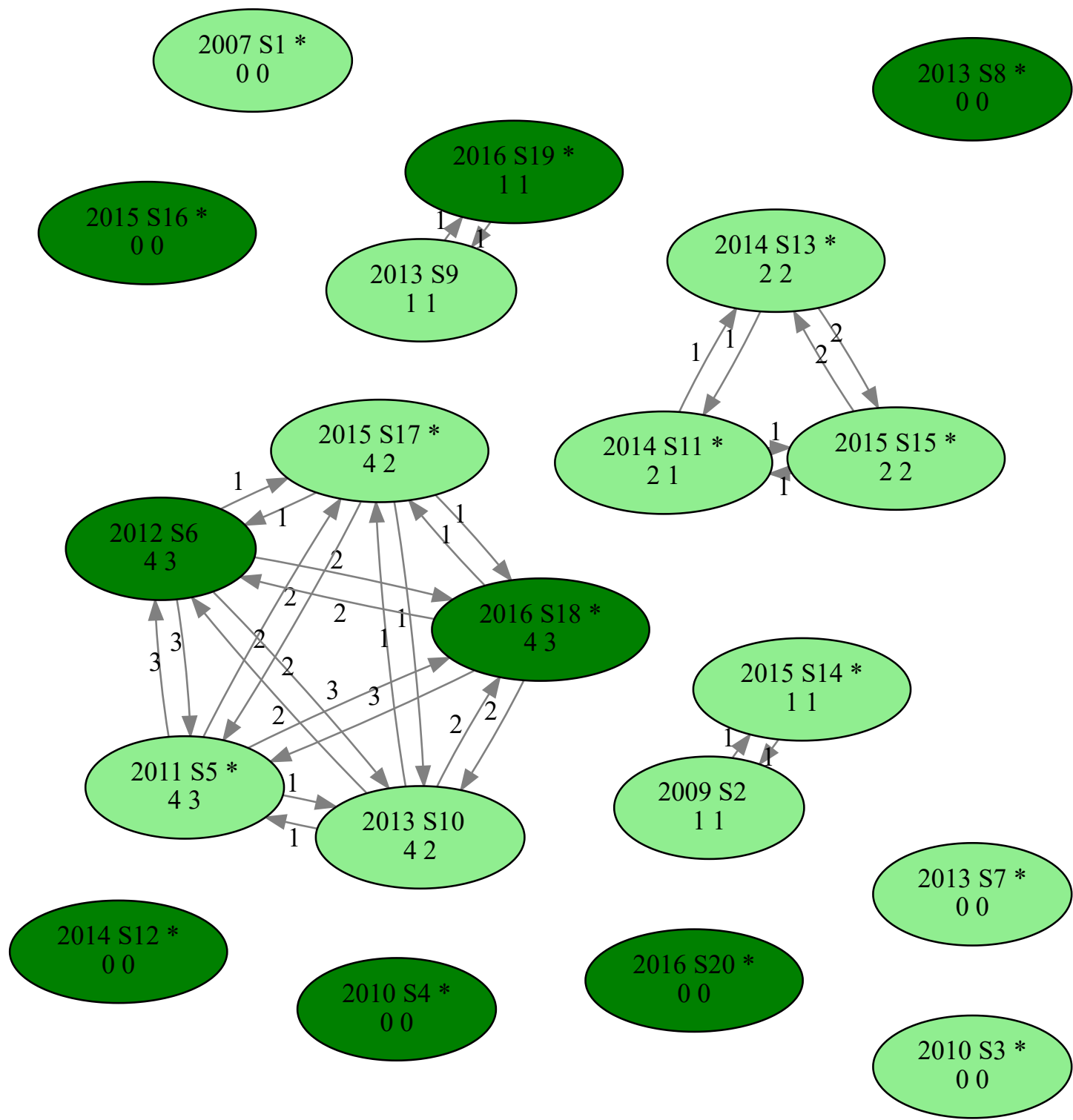
Out[7]:

[illegible]

▼ 4 Graph Citation - Steps to Find Selected Article

Floyd-Warshall algorithm was used to generate the graph: Determines the distance between all the pairs of vertices of a graph and identify steps to find selected articles.

Subtitle: Node green color = is final selected; Node lightgreen color = not is final selected; Node with (*) = is seed set.



▼ 5 Backward and Forward - Details

1. Number of articles visited and how many steps was used to find the article from the list of selected;
2. Number of articles found via backward and how many were selected;
3. Number of articles found via forward and how many were selected.

Out[9]:

tudy	Metakey	Visited	Steps	Total Backward	Selected Backward	Total Forward	Selected Forward	Backward List	Selected Backward List	Forward List	Selected Li
S1	mitra2007a	1	0	9	0	7	0	poger2005a, werner2006a, krutchen2000a, cockburn2002a, beck2004a, bullinger2006a, mitra2005a, wirfs2002a, larman2002a		abrahams2010a, abrahams2010b, abrahams2013a, ghosh2014a, abrahams2011a, burns2010a, connolly2008a	
S2	barton2009a	2	1	17	0	11	1	scrum2009a, takeuchi1986b, sutherland2007b, ohno1988a, liker2004a, womack1996a, gorman2007a, wikipedia2009a, carlson2006a, hansen2007a, morris2008a, prager1970a, schwaber2002a, barton2007a, anderson2008a, schwaber2007a, smits2013a		wang2012a, wang2011a, seikola2010a, fernández2011a, walczak2010a, ghezzi2018a, aaltonen2014a, nebi2016a, rundqvist2010a, tavares2017a, wale2015a	wale;
S3	oconnor2010b	1	0	0	0	0	0				
S4	oconnor2010a	1	0	0	0	4	0			oconnor2011a, abidin2017a, pitkänen2015a, mai2014a	
S5	hoda2011a	5	3	52	0	149	1	grisham2005a, hanssen2006a, judy2008a, nerur2005a, hoda2010a, chow2008a, dybå2008a, highsmith2001a, martin2009a, misra2009a, fraser2004a, larman2003a, schwaber2002a, beck2000a, cockburn2004a, palmer2002a, stapleton1997a, highsmith2000a, pikkarainen2008a, cockburn2001a, martin2003a, schwaber2013b, sharp2008a, highsmith2004a, takeuchi1986a, augustine2005a, anderson2003a, chau2004a, fraser2003a, glaser1978a, glaser2005a, glaser1967a, hoda2010b, cockburn2003a, coleman2007a, allan2003a, parry1998a, georgieva2008a, glaser1992a, glasser2004a, strauss1998a, kan2004a, beaumont2010a, conboy2009a, cao2009a, mangalaraj2009a, korkala2006a, lowery2007a, mann2005a, boehm2003a, hoda2010c, adolph2008a		inayat2015b, conforto2014a, hoda2012b, senapathi2012a, stol2016a, gandomani2015a, conforto2016a, hoda2011b, hummel2014a, moran2016a, gregory2016a, gandomani2014a, hoda2016a, bass2013a, gandomani2015b, bass2015a, bass2014a, gregory2015a, hoda2011c, alahyari2017a, sverrisdottir2014a, hoda2011d, kirk2012a, gandomani2016a, gandomani2014b, sharif2014a, stojanov2011a, gandomani2013a, stojanov2012a, diebold2015a, yagüe2016a, parizi2014a, zhang2016b, saleh2011a, kanwai2014a, eichhorn2015a, gandomani2013b, batra2016a, babb2014a, baumgart2015a, beranek2014a, shawky2014a, eichhorn2014a, dönmez2018a, shastri2017a, gonzález2015a, mchugh2011a, roses2016a, stanica2016a, alqudah2017a, mckinley2015a, otaduy2017a, marshall2016b, tareq2016a, bordin2017a, kristinsdóttir2014a, shameem2017a, jovanovi2017a, cornelius2014a, shirouyehzad112015a, persson2016a, kristinsdottir2016a, ng2014b, hutten2015a, gonzález2016a, hall2016a, sunner2016a, stettina2015b, kakar2017a, kakar2018a, kråkevik2018a, liebel2013a, vanathi2014a, tahir2011a, ejaz2017a, júnior2014a, idea2015a, rathor2016a, tootoonchi2016a, bass2018a, ghimire2016a,	waardent

tudy	Metakey	Visited	Steps	Total Backward	Selected Backward	Total Forward	Selected Forward	Backward List	Selected Backward List	Forward List	Selected Li
										kuusinen2017a, rajadurai2013a, truszczynski2016a, ramadani2015a, batra2017a, tesssem2017a, singh2017a, zaitsev2016a, babb2017a, klünder2017a, waardenburg2011a, gandomania2015a, bass2014ab, razzak2017a, rathor2016ab, carew2017a, amaral2014a, werder2017a, li2017a, hellemond2014a, salleh2018a, werder2016a, bass2018c, gandomani2013c, tolfo2018a, oomen2017a, gjøystdal2017a, haines2017a, mehmeti2014a, obrutsky2017a, slater2017a, ojastu2015a, rodríguez2018a, gichuki2017a, ochodek2018a, abdul2017a, gandomani2016b, bass2016b, mohamed2015a, torstensen2015a, ikram2015a, read2015a, singh2016b, murugesan2016a, bass2018b, regassa2017a, litchmore2016a, amrit2017a, iyawa2016a, kimawati2017a, nielsen2012b, eichhorn2018a, reljanovic2015a, roslund2015a, junior2012a, gencer2017a, krogh2014a, porrawatpreyakorn2012a, bordin2017b, almeida2011a, cengiz2017a, widell2015a, jovanovi2017b, lang2014a, benassi2013a, gonzález2017a, combler2017a, waardenburg2013a	
S6	saddington2012a	5	3	1	0	5	1	myai2012a		haaster2014a, vlietland2015b, kalenda2018a, haaster2015a, vlietland2015a	vlietlan
S7	ozkaya2013a	1	0	6	0	2	0	grant2012a, leffingwell2007a, bachmann2012a, nanette2010a, lapham2011a, bass1998a		gagliardi2013a, japan2015a	
S8	davis2013a	1	0	8	0	8	0	humphrey2013a, jones2011a, boehm1981a, rothman2000a, one2012a, scrum2013a, agile2013a, davis2013b		yli2016a, malhotra2016a, texel2015a, alotaibi2014a, gong2017a, alotaibi2014b, diebold2018a, kyheröinen2018a	
S9	eloranta2013a	2	1	16	0	12	2	alliance2001a, brown1998b, cockburn2001b, coplien2010a, dybå2008a, easterbrook2008a, veli2012a, lindvall2004a, petersen2009a, pikkarainen2008a, salo2008a, schwaber1995a, sutherland2001a, sutherland2010a, schwaber2011a, versionone2012a		järvinen2014a, eloranta2016a, lópez2016a, hoda2017a, sharma2016a, ramirez2016a, khelladi2015a, koski2015a, eloranta2015b, lópez2017a, carew2017a, eloranta2016a	elorant; elorant

tudy	Metakey	Visited	Steps	Total Backward	Selected Backward	Total Forward	Selected Forward	Backward List	Selected Backward List	Forward List	Selected Li
S10	waardenburg2013a	5	2	81	1	69	1	abrahamsson2003a, adolph2011a, adolph2012a, agarwal2002a, allan2003a, augustine2005a, baskerville2011a, beck2001a, benefield2008a, birks2013a, boehm2002a, boehm2006c, boehm2002b, boehm2005a, boehm1988a, brown2013a, cao2009a, chan2009a, cockburn2002a, cockburn2001a, cohn2003a, coleman2007a, conboy2009a, conboy2007a, denison1991a, dingsøyr2012a, drobka2004a, dybå2008a, fraser2004a, glaser1978b, glaser1992a, glaser1998a, glaser1967b, grisham2005a, harvey1974a, he2004a, heidenberg2010a, hoda2011a, hoda2012a, hoda2013a, iivari2011a, isham2008a, janis1972a, karlström2006a, kettunen2008a, kruchten2013a, kurapati2012a, laanti2011a, larman2009a, levina2005a, lindvall2004a, magdaleno2012a, matavire2013a, mcavoy2009a, mishra2011a, misra2009a, moore2008a, nerur2005a, ogc2009a, parry1998a, ferreira2011a, petersen2009a, petersen2010a, pikkarainen2008a, pikkarainen2012a, pink2009a, rasmusson2003a, robinson2005a, schwaber1991a, siakas2007a, star1989a, strauss1988a, strode2012a, strode2009a, sutherland2001a, svensson2005a, tanis2000a, tolfo2008a, vanvliet2008a, vijayasathya2012a, vinekar2006a	hoda2011a	campanelli2015a, gregory2016a, tarhan2014a, vlietland2015a, bass2015a, bass2014a, gregory2015a, heikkilä2015a, tomanek2015a, barroca2018a, kuusinen2016a, fitriani2016a, berger2015a, singh2015a, laukkanen2016a, baseer2015a, manen2014a, bishop2016a, morken2014a, joseph2017a, darnell2015a, jovanovi2017a, cornelius2014a, kusters2017a, hron2018a, campanelli2018a, behm2015a, petrik2015a, diebold2016a, campanelli2014a, deley2017a, theobald2018a, laukkanen2018a, haaster2014a, kalliamvakou2017a, patel2017a, felipe2015a, zhang2016a, joseph2016a, bass2014b, haaster2016a, homrich2015a, alzoubi2016b, haines2017a, confidential2016, östman2017a, felipe2015b, musura2017a, chassart2016a, vlietland2015b, sulaiman2018a, vrhovec2016a, luger2015a, alkema2017a, haaster2015a, kinnunen2018a, garbulho2017a, norberg2016a, leur2016a, assis2017a, roslund2015a, järvi2018a, gencer2017a, norberg2016b, almeida2017a, garcia2017b, jovanovi2017b, assis2017b, salopaasi2014a	vlietlan
								power2011a, rubin2012a, pilcher2015a, cohn2009a, sutherland2012a		heck2015a, dennehy2017a, heck2018a, power2014c, heck2017a, ahmad2018a, heck2017b, myers2017a, power2015b, dennehy2016a, connor2017a, conboy2018a, heck2016a, diebold2018a, ochodek2018a, holvitie2018a, power2014b	
S11	power2014a	3	1	5	0	17	2				heck2 power

tudy	Metakey	Visited	Steps	Total Backward	Selected Backward	Total Forward	Selected Forward	Backward List	Selected Backward List	Forward List	Selected Li
S12	igaki2014a	1	0	20	0	14	0	bang2013a, cheng2000a, clark2005a, cockburn2003b, santos2013a, fukuyasu2012a, button1996a, hosono2012a, mahnic2012a, paasivaara2013a, persson2011a, rocha2013a, schar2011a, scharff2010a, scrum2013a, sommerville2010a, tai2007a, kilamo2012a, webb1995a, yamin2010a		mahni2015a, matthies2016b, matthies2016a, itsuda2015a, herrmann2017a, japan2015b, ju2017a, ju2018a, chishiro2018a, japan2018a, japan2017a, japan2017b, japan2017c, melo2016a	
S13	power2014b	3	2	25	1	3	0	qvortrup2003a, rawls1971a, jos2006a, wikipedia2014a, binmore1998a, gat2009a, gat2009b, atlas2009a, appelo2011a, dooley1997a, snowden2007a, vasconcelos2011a, stacey1996a, cohn2009a, schwaber2011b, eoyang2013a, eoyang2013b, eoyang2001a, rubin2012a, power2014a, olson2001a, kerth2001a, emery2003a, tabaka2006a, derby2006a	power2014a	fontana2015a, power2014d, walter2015a	

tudy	Metakey	Visited	Steps	Total Backward	Selected Backward	Total Forward	Selected Forward	Backward List	Selected Backward List	Forward List	Selected Li
S14	wale2015a	2	1	66	1	14	0	abrahamsson2003a, abrahão2010a, adikari2009a, ambler2008a, barksdale2009a, barton2009a, benbasat1987a, blomkvist2005a, boivie2006a, bonacin2009a, bowen2009a, brown2011a, brown2012a, bygstad2011a, cajander2013a, chamberlain2006a, chow2008a, conboy2009a, düchting2007a, ferré2001a, ferreira2010a, ferreira2011a, ferreira2012a, fitzgerald2006a, fox2008a, hartson2012a, herbsleb2007a, hsieh2005a, hussain2009b, geneva2006a, isomursu2012a, jokela2004a, juristo2007a, kollmann2009a, kuusinen2012a, lárusdóttir2012a, lee2011b, lievesley2006a, mcinerney2005a, meingast2013a, miles1994a, misra2009a, myers1997a, myers2007a, najafi2008a, nielsen2012a, norman2006a, paasivaara2003a, paasivaara2010a, raison2013a, schwaber2002a, schwaber2011a, sein2011a, sharp2009a, silva2011b, silva2013b, singh2008a, sutherland2007a, wale2013a, walsham1995a, williams2007a, vallon2013a, vaughan1998a, yin1994a, acm2006a, ågerfalk2009a iiba2009a, robertson2000a, ieee1998a, ernst2012a, inayat2014a, heck2013a, heck2014a, herzig2012a, bettenburg2008a, heck2014ab, leffingwell2011a, doran1981a, wake2003a, heck2009a, power2014a, alsbaugh2013a, fitzgerald2012a, adzic2011a vahtiohje2015a, cp2010a, beck2001a, bsimm2015a, win2001a, deemer2012a, diaz2009a, fitzgerald2013a, vahtiohje2013a, vahtiohje2015b, howard2005a, isoiec2008a, jarvinen2004a, microsoft2012a, pietikäinen2014a, rindell2015b, solinski2016a, tsipenyuk2005a, versionone2013b, williams2003a	barton2009a	law2015a, kuusinen2015a, eshet2016a, fitriani2016a, mateen2017a, hernández2017a, garcia2017a, sagar2017a, lárusdóttir2016a, salin2015a, hernández2017b, yusuf2016a, silva2017b, martínez2016a	
S15	heck2015a	3	2	18	1	7	0	iiba2009a, robertson2000a, ieee1998a, ernst2012a, inayat2014a, heck2013a, heck2014a, herzig2012a, bettenburg2008a, heck2014ab, leffingwell2011a, doran1981a, wake2003a, heck2009a, power2014a, alsbaugh2013a, fitzgerald2012a, adzic2011a	power2014a	oliveira2017a, do2017a, redivari2018a, heck2016a, bhowmik2018a, hollis2017a, abdou2018a	
S16	rindell2015a	1	0	20	0	3	0	vahtiohje2015a, cp2010a, beck2001a, bsimm2015a, win2001a, deemer2012a, diaz2009a, fitzgerald2013a, vahtiohje2013a, vahtiohje2015b, howard2005a, isoiec2008a, jarvinen2004a, microsoft2012a, pietikäinen2014a, rindell2015b, solinski2016a, tsipenyuk2005a, versionone2013b, williams2003a		rindell2016a, rindell2017a, rindell2017b	

tudy	Metakey	Visited	Steps	Total Backward	Selected Backward	Total Forward	Selected Forward	Backward List	Selected Backward List	Forward List	Selected Li
S17	vlietland2015a	5	2	100	2	30	1	ågerfalk2005a, ambler2012a, andrei2006a, baltacioglu2007a, bannerman2012a, batra2010a, bazerman1994a, beck2001b, begel2009a, birks2011a, boonstra2003a, brown2005a, brown2013a, calvert1995a, candea2010a, cockburn2006a, datta2011a, desanctis1993a, dingyr2013a, dingsøyr2013a, dorairaj2012a, dove2014a, dul2008a, eisenhardt1989a, eisenhardt1992a, feitelson2013a, fitzgerald2014b, freudenberg2010a, galbraith1995a, garg2009a, gibbert2010a, glaser1967a, goffman1959a, green2010a, gregory2011a, hardion2013a, harland1996a, henneman1995a, hildenbrand2008a, huberman1984a, humble2010a, jalali2012a, jonker2011a, jyothi2011a, kim2008a, kniberg2012a, knight2001a, kruchten2013a, larman2013a, lee2010a, leffingwell2007a, lehto2009a, lewis2011a, locke1990a, malone1990a, marshall1996a, mathieu2000a, mentzer2001a, mentzer1997a, mishra2011a, moe2008a, muşlu2013a, myers2007a, olsson2012a, oppenheim2011b, paasivaara2012a, petersen2009a, port2009a, rautiainen2011a, rising2000a, saddington2012a, sahin2005a, saldana2009a, sandelowski1995a, saunders2003a, scheerer2014a, schnitter2011a, schwaber2004a, schwaber2007b, sharp2008a, sharp2010a, soundararajan2012a, ståhl2014b, strode2012a, sutherland2005a, sutherland2008a, sutherland2007a, talby2009a, takeuchi1986a, vlietland2013a, vlietland2014a, vlietland2014b, waardenburg2012a, wegner1987a, wei2010a, wiener1965a, woodward2010a, yin1981a, yin2009a, waardenburg2013a	saddington2012a, waardenburg2013a	bass2016a, dingsøyr2018a, krimpmann2015a, batra2016a, moe2017a, almutairi2015a, dingsøyr2018b, jigeesh2015a, stettina2015b, aintila2016a, bjørnson2018a, sensuse2017a, imani2018a, aamir2017a, mansouri2015a, patel2017a, pages2014a, bonassa2016a, krimpmann2015b, haaster2016a, oomen2017a, vlietland2015b, noll2017a, syversen2016a, musa2017a, andreassen2015a, arango2017a, jr2015a, sousa2015a, vlietland2016a	vlietlan

tudy	Metakey	Visited	Steps	Total Backward	Selected Backward	Total Forward	Selected Forward	Backward List	Selected Backward List	Forward List	Selected Li
S18	vlietland2016a	5	3	71	1	8	0	akbar2011a, ambler2009b, banbury2010a, bartlett2007a, baskerville1999a, baskerville1996a, batra2010a, beedle2013a, brown2005a, clarke2013a, cummings2014a, dorairaj2012a, easterbrook2008a, gersick1991a, hannan1984a, holz2004a, hoyle2001a, humble2010a, ieee2008a, ilgen2005a, jonker2011a, jrad2014a, kniberg2012a, kolb1984a, krueger1994a, larman2013a, leffingwell2007a, leffingwell2010a, lim2006a, mathieu2000a, melville2004a, moe2008a, moniruzzaman2013a, morgan2002a, neely2013a, olsson2012a, paasivaara2012a, pikkarainen2005a, plugge2009a, port2009a, qumer2008a, rautiainen2011a, rising2000a, romanelli1994a, runeson2009a, salo2005a, scheerer2014a, schnitter2011a, soundararajan2009a, stacey1995a, stelzer1998a, stettina2015a, susman1978a, sutherland2005a, schwaber2013a, takeuchi1986a, talby2009a, cp2010a, tfsc2011a, unterkalmsteiner2012a, vacanti2014a, bon2007a, tiem2006a, versionone2013a, vlaanderen2011a, vlietland2014a, vlietland2014b, vlietland2015a, walsham1995b, weich1999a, yamakami2013a	vlietland2015a	bass2016a, lappi2017a, perkusich2017b, buul2016a, syversen2016a, ziebell2016a, ziebell2018a, ziebell2016b	
								eloranta2013a, manifesto2001a, brown1998a, cockburn2002a, coplien2010a, dybå2008a, easterbrook2008a, eloranta2015a, lindvall2004a, petersen2009a, pikkarainen2008a, salo2008a, schwaber1995a, sutherland2001a, sutherland2010a, schwaber2011a, versionone2012a, eloranta2013a, org2015a, jeffries2003a, cockburn2004a		fitriani2016a, rahayu2016a, silva2017a, perkusich2017a, smiari2018a, przybytek2017a, helwerda122017a, carew2017a, perkusich2017b, totten2017a, george2018a, erukulapati2017a, karkimo2018a	
S19	eloranta2016a	2	1	21	2	13	0		eloranta2013a, eloranta2013a		

tudy	Metakey	Visited	Steps	Total Backward	Selected Backward	Total Forward	Selected Forward	Backward List	Selected Backward List	Forward List	Selected Li
S20	gupta2016a	0	0	34	0	1	0	andansare2014a, marschal2011a, cockburn2008a, meter2016a, coder2009a, codovation2012a, coverity2016a, coverity2016b, cppcheck2016a, designtool2016a, designtool2016b, dsdm2016a, eclemma2016a, fowler2008a, findbugs2016a, suryanarayana2014a, sharma2015a, breault2015a, fowler2003a, fowler2009a, mindtools2016a, ncover2016a, newing2012a, perfmon2016a, bob2009a, simian2016a, seaman2012a, cube2009a, campwood2016a, heusser2011a, shore2016a, msft2013a, feathers2016a, li2016b		gupta2016b	