
Supplementary information

An open source machine learning framework for efficient and transparent systematic reviews

In the format provided by the
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Appendix

Table A1. Overview of software tools supporting systematic reviews based on Harrison et al. (2020)

Name	URL	Open Source	Open source URL	Machine Learning	Active Learning
Abstrackr¹	http://abstrackr.cebm.brown.edu	N		Y	Y
ASReview²	http://www.asreview.nl/	Y	https://github.com/asreview/asreview	Y	Y
CADIMA³	https://www.cadima.info/index.php	N		N	N
Colandr⁴	https://www.colandrcommunity.com/	Y	https://github.com/datakind/permanent-colandr-back	Y	Y
Covidence	https://www.covidence.org/home	N		N	N
DBPedia⁵	https://wiki.dbpedia.org/	N		Y	Y

DistillerSR	https://www.evidencepartners.com/	N		N	N
EPPI-Reviewer⁶	https://eppi.ioe.ac.uk/cms/Default.aspx?alias=eppi.ioe.ac.uk/cms/er4	N		Y	Y
EROS⁷	https://www.iecs.org.ar/en/cochrane-centre-at-iecs/eros/	N		N	N
FASTREAD^{8,9}	https://github.com/fastread/src	Y	https://github.com/fastread/src	Y	Y
GAPScreeener¹⁰	https://omictools.com/gapscreener-tool	N		Y	N
HAWC¹¹	https://hawc.readthedocs.io/en/latest/	Y	https://github.com/shapiromatron/hawc/tree/master	N	N
JBI-SUMARI¹²	https://www.jbisumari.org/	N		N	N
Lingo 3d¹³	https://carrotsearch.com/lingo3g/	N		Y	N

litstream	https://www.icf.com/technology/litstream#.Xj0v9_iyPBU.link	N		N	N
MeSHSIM	https://github.com/JingZhou2015/MeSHSim	Y	https://github.com/JingZhou2015/MeSHSim	N	N
METAGEAR package for R¹⁴	https://cran.r-project.org/web/packages/metagear/index.html	Y	https://github.com/cran/metagear/	N	N
PARSIFAL	https://parsif.al/	Y	https://github.com/vitorfs/parsifal	N	N
PEX¹⁵	http://vicg.icmc.usp.br/vicg/tool/1/projectio-n-explorer-pex	N		N	N
Pimiento¹⁶	http://erabaki.ehu.es/jjga/pimiento/	N		N	N
Rayyan¹⁷	https://rayyan.qcri.org/	N		Y	Y
ReLiS¹⁸	http://relis.iro.umontreal.ca/auth.html	Y	https://github.com/geodes-sms/relis	N	N

REviewer	https://sites.google.com/site/eseportal/tools/reviewer	Y	https://github.com/bfsc/reviewer	N	N
ReVis¹⁹	~	N		Y	N
RevMan²⁰	https://community.cochrane.org/help/tools-and-software/revman-5	N		N	N
revtools²¹	https://revtools.net/	Y	https://github.com/mjwestgate/revtools	N	N
RobotAnalyst²²	http://nactem.ac.uk/robotanalyst/	N		Y	Y
RobotReviewer²³	https://www.robotreviewer.net/	Y	https://github.com/ijmarshall/robotreviewer	Y	N
SESRA	http://sesra.net/	N		N	N
SLR Tool	http://ta.mdx.ac.uk/slr/about/	N		N	N
SLR-Tool²⁴	~	N		Y	N

SLR.qub²⁵	https://github.com/gmergel/SLR.qub	Y	https://github.com/gmergel/SLR.qub	N	N
SLRTOOL²⁶	www.slrtool.org	N		N	N
SluRp	https://codefeedback.cs.herts.ac.uk/SLuRp/	N		N	N
SRDB.PRO	https://www.srdb.pro/default	N		N	N
StArt²⁷	http://lapes.dc.ufscar.br/tools/start_tool	N		N	N
SWIFT-Active Screener²⁸	https://swift.sciome.com/activescreener	N		Y	N
SWIFT-Reviewer²⁹	https://www.sciome.com/swift-review/	N		Y	N
SyRF	http://syrf.org.uk/	N		N	N

Systematic Review Accelerator³⁰	http://crebp-sra.com/#/	N	N	N
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Notes: URL = webpage affiliated with the tool; Open Source = whether source materials of the application are openly available on a collaborative platform such as GitHub; Open Source URL = link to open source code; Machine Learning = whether the tool implements machine learning with the goal of reducing the number of abstracts needed to screen; Active Learning = whether the tool implements machine learning with the goal of reducing the number of abstracts needed to screen; Y=Yes, N=No.

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