Number of results: 45

Name: Abstrackr

Summary: An online tool for the task of citation screening for systematic reviews.

URL: Link

Review Families: Systematic, Rapid, Scoping, Mapping, Mixed Method

Review Stages: Screen

Name: AntConc

Summary: A freeware corpus analysis toolkit for concordancing and text analysis.

URL: Link

Review Families: Systematic, Rapid, Scoping, Mapping, Mixed Method

Review Stages: Screen

Name: ASReview

Summary: ASReview LAB is free and open source machine learning software, dedicated to accelerate the screening of textual data. The software comes with a modern user-friendly interface for screening texts, as well as an extensive simulation toolkit. Use simulations to explore how much work you can save by using ASReview LAB over manual screening. The software is installed locally, making sure that your data stays your own.

URL: Link

Review Families: Systematic, Rapid, Qualitative, Scoping, Mapping, Mixed Method, Other

Review Stages: Screen

Name: BeCAS

Summary: BeCAS, the Biomedical Concept Annotation System, is a web application, application programming interface (API) and widget for biomedical concept identification. BeCAS aims to help researchers, healthcare professionals and developers in the identification of over 1,200,000 biomedical concepts in text and PubMed abstracts using text-mining capabilities. Details of how to use the web app are available in the help section of the tool. If you want to integrate BeCAS annotation services in your own text-processing pipeline, this can be done via the API. Web developers can augment websites with text annotation and highlighting capabilities using the BeCAS widget. BeCAS is freely available for non-commercial use.

URL: Link

Review Families: Systematic, Rapid, Qualitative, Scoping, Mapping, Mixed Method, Review Of Reviews, Other

Review Stages: Search, Screen, Data Extract

Name: BERT

Summary: BERT (Bidirectional Encoder Representations from Transformers) is a tool developed by researchers at Google AI Language. BERT is a machine learning tool that can be used in a wide variety of NLP tasks, including Question Answering, Natural Language Inference, and others.

URL: Link

Review Families: Systematic, Rapid, Qualitative, Scoping, Mapping, Mixed Method, Review Of Reviews, Other

Review Stages: Screen, Data Extract

Name: BioReader (Biomedical Research Article Distiller)

Summary: BioReader is a tool that enables users to perform classification of scientific literature by text mining-based classification of article abstracts. The tool is trained by uploading article corpora for two training categories - e.g. one positive and one negative for content of interest - as well as one corpus of abstracts to be classified and/or a search string to query PubMed for articles. The corpora are submitted as lists of PubMed IDs and the abstracts are automatically downloaded from PubMed, preprocessed, and the unclassified corpus is classified using the best performing classification algorithm out of ten implemented algorithms. BioReader is freely available as a web service.

URL: Link

Review Families: Systematic, Rapid, Qualitative, Scoping, Mapping, Mixed Method, Other

Review Stages: Screen

Name: Buhos

Summary: A web-based systematic literature software that supplies the necessary functionalities for managing the complete literature review process, covering the stages of searching, screening, data extraction and reporting for social sciences.

URL: Link

Review Families: Systematic, Rapid, Qualitative, Scoping, Mapping, Mixed Method, Other

Review Stages: Search, Screen, Data Extract, Report

Name: CADIMA

Summary: CADIMA supports the conduct of systematic reviews and evidence/systematic maps by the provision of a freely available online tool that: 1. guides review authors through the evidence synthesis process, 2. facilitates the coordination of cooperating team members, 3. eases steps with considerable workload and 4. guarantees for its thorough documentation. The evidence synthesis tool was established and is further developed in a close collaboration between the Julius Kühn-Institut and the Collaboration for Environmental Evidence

URL: Link

Review Families: Systematic, Mapping

Review Stages: Search, Screen, Data Extract, Quality Assess, Synthesis, Report, Reference Management

Name: Cientopolis Scolr

Summary: Cientopolis Scolr supports collaboration in the process of conducting open, literature reviews.

URL: Link

Review Families: Systematic, Rapid, Qualitative, Scoping, Mapping, Mixed Method, Other

Review Stages: Protocol, Search, Screen, Data Extract, Quality Assess, Synthesis, Report, Reference Management, Stakeholder Engagement

Name: Colandr

Summary: Colandr is an open access, machine-learning assisted tool for conducting evidence synthesis. This tool uses machine learning, natural language processing, and text-mining functions to partially automate finding relevant citations and extract desired data from PDF articles.

URL: Link

Review Families: Systematic, Rapid, Mixed Method

Review Stages: Search, Screen, Data Extract

Name: Concept Encoder

Summary: Concept Encoder is a neural network–based artificial intelligence engine that analyses text by converting sentences into vectors. extract and learn each vector component as a feature value, identify similar vectors as indicators of the similarity of sentence content, and perform a rapid search for similar sentences. As such, it can be used to reduce the screening workload in systematic reviews. Note that the research study was performed in systematic reviews for clinical guidelines and the authors state that further investigation is needed to assess the effectiveness for meta-analyses of epidemiological studies.

URL: Link

Review Families: Systematic, Rapid, Qualitative, Scoping, Mapping, Mixed Method

Review Stages: Screen

Name: Covidence

Summary: A web-based software platform that streamlines the production of systematic reviews, including Cochrane Reviews. Citation screening, Full text review, Risk of Bias assessment, Extraction of study characteristics and other study data, Export of data into RevMan. Nonprofit organization, open source software

URL: Link

Review Families: Systematic, Rapid, Mixed Method

Review Stages: Screen, Data Extract, Quality Assess

Name: DBPedia

Summary: A resource description framework repository to support automated selection of primary studies.

URL: Link

Review Families: Systematic, Rapid, Scoping, Mapping, Mixed Method

Review Stages: Screen

Name: Disputatron

Summary: The Disputatron is a tool designed to automatically detect screening disagreements between reviewers of a systematic review, who screened in EndNote.

URL: Link

Review Families: Systematic, Rapid, Qualitative, Scoping, Mapping, Mixed Method, Other

Review Stages: Screen

Name: DistillerSR

Summary: A web based reference screening, data extraction and reporting solution for systematic reviews.

URL: Link

Review Families: Systematic, Rapid, Scoping, Mixed Method, Other

Review Stages: Protocol, Screen, Data Extract, Quality Assess, Synthesis, Report, Reference Management

Name: DoCTER

Summary: DoCTER, ICF's Document Classification and Topic Extraction Resource, is a free web-based software application that helps explore and prioritize documents — such as abstracts from the scientific literature or social media messages — for expert review. Using algorithms from the domains of natural language processing and machine learning, DoCTER improves efficiency in tasks that involve large volumes of text.

URL: Link

Review Families: Systematic, Rapid, Qualitative, Scoping, Mapping, Mixed Method, Other

Review Stages: Screen

Name: EMB automated PICO identification tool

Summary: EBM+ is an end-to-end Entity Recogniser that identifies the PICO within medical publications. It identifies sentences within medical literature that contains the PICO, and answers the questions stated within the PICO. The dataset was manually annotated by medical practitioners.

URL: Link

Review Families: Systematic, Rapid, Scoping, Mapping, Mixed Method, Other

Review Stages: Screen

Name: EPPI-Reviewer

Summary: Web-based tool for managing and analysing data in systematic reviews.

URL: Link

Review Families: Systematic, Rapid, Scoping, Mapping, Other

Review Stages: Screen, Data Extract, Synthesis

Name: EROS: Early Review Organizing System

Summary: Web-based software designed to assist with the initial phases of a systematic review: reference management, screening, and quality assessment.

URL: Link

Review Families: Systematic, Rapid, Scoping

Review Stages: Search, Screen, Quality Assess

Name: FastText

Summary: FastText is an open-source, free, lightweight library that allows users to learn text representations and text classifiers. It works on standard, generic hardware. Models can later be reduced in size to even fit on mobile devices.

URL: Link

Review Families: Systematic, Rapid, Qualitative, Scoping, Mapping, Mixed Method, Review Of Reviews, Other

Review Stages: Screen, Synthesis

Name: JBI-SUMARI

Summary: A System for the Unified Management, Assessment and Review of Information containing a suite of tools to support various aspects of the systematic review process. JBI run short courses on using the software: http://joannabriggs.org/education/short-courses

URL: Link

Review Families: Systematic, Rapid, Qualitative, Scoping, Mapping, Mixed Method, Other

Review Stages: Protocol, Screen, Data Extract, Quality Assess, Synthesis, Report, Reference Management

Name: Nested-Knowledge

Summary: Nested Knowledge is transforming the process and impact of systematic review with automations and augmentations of the review process and visualizing the results in interactive web-based meta-analyses. Two tools in one platform. Streamline your literature review in AutoLit, which enables you to complete every step—search, screen, tag, and extract—using best practices in a single platform. Maintain your 'living' body of evidence by automatically integrating new clinical data as it becomes available. After building your living review in AutoLit, share your results with the world! Through Synthesis, you can present qualitative breakouts of the common concepts from studies, quantitative meta-analysis of patient outcomes,

and narrative summaries of your findings. As with AutoLit, Synthesis is updated in real time, so it serves as the one-stop portal to your living systematic review.

URL: Link

Review Families: Systematic, Rapid, Qualitative, Scoping, Mapping, Mixed Method, Other

Review Stages: Search, Screen, Data Extract, Quality Assess, Synthesis, Report, Reference Management

Name: Parsifal

Summary: Web-based tool which supports multiple stages of a systematic review in software engineering.

URL: Link

Review Families: Systematic

Review Stages: Protocol, Search, Screen, Data Extract, Quality Assess, Reference Management

Name: PICO Portal

Summary: PICO Portal is a web-based tool for citation screening, full text review, data extraction and quality assessment that facilitates an efficient systematic review. PICO Portal aspires to combine the strengths of a modern user interface and cutting-edge machine learning functionality. It offers a highly accurate deduplication that was benchmarked against published papers.

URL: Link

Review Families: Systematic, Rapid, Other

Review Stages: Screen, Data Extract, Quality Assess

Name: R.ROSETTA: an interpretable machine learning framework

Summary: R.ROSETTA is an R package for the construction and analysis of machine learning rule-based classifiers. It provides additional functions for statistics and visualisation of data.

URL: Link

Review Families: Systematic, Rapid, Qualitative, Scoping, Mapping, Mixed Method, Review Of Reviews, Other

Review Stages: Screen

Name: RAx

Summary: RAx is your personalized AI-powered research assistant. It adapts to your changing needs as you move through various stages of your research project's life-cycle.

URL: Link

Review Families: Systematic, Rapid, Qualitative, Scoping, Mapping, Mixed Method, Review Of Reviews, Other

Review Stages: Search, Screen, Data Extract, Quality Assess, Synthesis, Report, Reference Management

Name: Rayyan

Summary: Web based, collaborative application to support undertaking systematic reviews. Also includes a mobile app for screening studies on the go.

URL: Link

Review Families: Systematic, Rapid, Qualitative, Scoping, Mapping, Mixed Method, Other

Review Stages: Screen

Name: ReLiS

Summary: ReLiS is a highly configurable tool to conduct systematic reviews collaboratively and iteratively on the cloud.

URL: Link

Review Families: Systematic, Rapid, Other

Review Stages: Protocol, Screen, Data Extract, Quality Assess

Name: Research Screener

Summary: Research Screener is a cloud-hosted Web application and algorithm that semi-automates abstract screening for systematic reviews. The algorithm applies deep learning and natural language processing methods to represent abstracts as text embeddings.

URL: Link

Review Families: Systematic, Rapid, Scoping, Mapping, Mixed Method, Other

Review Stages: Screen

Name: revtools

Summary: revtools is a new software package currently being developed by Martin Westgate, a postdoc at the Australian National University in Canberra. The tool aims to produce interactive visualisation of patterns in bibliographic data to support systematic reviews and meta-analyses, allowing users to quickly get a feel for patterns in collections of articles, and to select those entries of most interest to them. The developer states that this is brand new software, so use it at your own risk for now; but more updates are planned. You can download the tool from Github.

URL: Link

Review Families: Systematic, Other

Review Stages: Screen

Name: RobotSearch

Summary: Front-end for a machine learning model that identifies reports of randomized controlled articles (RCTs), from the developers of RobotReviewer

URL: Link

Review Families: Systematic, Rapid, Scoping, Mapping, Mixed Method

Review Stages: Screen

Name: Screenatron

Summary: The Screenatron is a tool designed to allow fast abstract screening when performing a systematic review.

URL: Link

Review Families: Systematic, Rapid, Scoping, Mapping, Mixed Method, Other

Review Stages: Screen

Name: SESRA

Summary: A web application to support the Systematic Literature Review process for researchers and practitioners in the software engineering domain. SESRA uses the guidelines proposed by Kitchenham and Charters (2007).

URL: Link

Review Families: Systematic, Other

Review Stages: Protocol, Screen, Data Extract, Quality Assess, Report

Name: SLR-Tool

Summary: A freely-available tool to support each stage of the SR process in software engineering.

URL: Link

Review Families: Systematic, Other

Review Stages: Protocol, Screen, Data Extract, Quality Assess, Synthesis, Report

Name: SRDB.PRO

Summary: Commercial software for managing and aiding systematic reviews.

URL: Link

Review Families: Systematic

Review Stages: Protocol, Search, Screen, Data Extract, Quality Assess, Synthesis, Report, Reference Management

Name: StArt

Summary: State of the Art through systematic review (StArt) aims to provide support for each stage of the SR process in software engineering.

URL: Link

Review Families: Systematic

Review Stages: Protocol, Search, Screen, Data Extract, Quality Assess, Report, Reference Management

Name: SWIFT-Active Screener

Summary: SWIFT-Active Screener is a web-based, collaborative systematic review software application. Active Screener was designed to be easy-to-use, incorporating a simple, but powerful, graphical user interface with rich project status updates. What makes Active Screener special, however, is its behind-the-scenes application of state-of-the-art statistical models designed to save screeners time and effort by automatically prioritizing articles as they are reviewed, using user feedback to push the most relevant articles to the top of the list.

URL: Link

Review Families: Systematic

Review Stages: Screen

Name: SWIFT-Review

Summary: SWIFT-Review (SWIFT is an acronym for “Sciome Workbench for Interactive computer-Facilitated Text-mining”), is a freely available interactive workbench which provides numerous tools to assist with problem formulation and literature prioritization.

URL: Link

Review Families: Systematic

Review Stages: Screen

Name: Syras

Summary: A flexible web-based product with easy to use solutions for abstract deduplication, abstract screening, and exporting of abstracts for systematic reviews. Suitable for small scale and large scale teams completing reviews. Made by passionate tech veterans, focussed on creating a delightful efficacious experience at a price-point that an academic would be happy to pay for.

URL: Link

Review Families: Systematic, Other

Review Stages: Search, Screen

Name: SyRF: Systematic Review Facility

Summary: SyRF is a fully integrated online platform for performing systematic reviews of preclinical studies. SyRF provides a secure screening database, repository and analysis applications. It also provides educational resources on how to conduct and report a systematic review and guidance on preclinical systematic review and meta-analysis.

URL: Link

Review Families: Systematic, Rapid, Scoping, Mapping, Other

Review Stages: Screen, Data Extract, Synthesis

Name: Sysrev

Summary: A web-based platform, Sysrev facilitates a range of document-review types, from pure data curation projects to systematic reviews. Sysrev’s Label system enables flexibility in how users screen, tag, annotate, & sort documents and extract data. Articles can be uploaded via .XML, .RIS, and .PDF file types or via Sysrev’s native Pubmed and ClinicalTrials.gov searches. Sysrev BASIC is a 100% Free subscription that enables users to create unlimited Public projects, utilize the BASIC Label set, and invite as many reviewers as their projects require. Sysrev BASIC

users also have access to Sysrev's machine learning models. Additional functionality and unlimited Private projects are available for $10 USD/month.

URL: Link

Review Families: Systematic

Review Stages: Protocol, Search, Screen, Data Extract, Quality Assess, Synthesis, Reference Management

Name: Systematic Review Accelerator

Summary: The Systematic Review Accelerator (SRA) is free software developed at Bond University which includes a validated deduplication tool for faster deduplication of search results, a word frequency analyser to help with search strategy development, a search translator to speed up translation of searches from PubMed/Ovid MEDLINE to other major databases, and a hotkey tool to make screening articles in EndNote easier.

URL: Link

Review Families: Systematic

Review Stages: Protocol, Search, Screen, Reference Management

Name: TaskExchange

Summary: Cochrane TaskExchange is a collaboration tool that connects people who need help or advice on health evidence projects with people who have the time and expertise to assist. People needing help post a task and people wanting to help out respond to tasks of interest. Most common tasks types are data screening, data extraction, consumer tasks and translation. Anyone can sign up to use the platform.

URL: Link

Review Families: Systematic, Rapid, Qualitative, Scoping, Mapping, Mixed Method, Other

Review Stages: Screen, Data Extract, Quality Assess, Stakeholder Engagement

Name: TextBlob: Simplified Text Processing

Summary: TextBlob is a Python (2 and 3) library for processing textual data. It provides a simple API for diving into common natural language processing (NLP) tasks such as part-of-speech tagging, noun phrase extraction, sentiment analysis, classification, translation, and more.

URL: Link

Review Families: Systematic, Rapid, Qualitative, Scoping, Mapping, Mixed Method, Review Of Reviews, Other

Review Stages: Screen, Data Extract, Synthesis

Name: Thoth

Summary: Thoth is a web-based support tool developed to support the SLR process in software engineering.

URL: Link

Review Families: Systematic, Other

Review Stages: Protocol, Screen, Data Extract, Quality Assess, Report