

Resource Summary Report

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Robot Reviewer

RRID:SCR_018961

Type: Tool

Proper Citation

Robot Reviewer (RRID:SCR_018961)

Resource Information

URL: <https://www.robotreviewer.net/>

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Description: Software tool as machine learning system that automatically assesses bias in clinical trials. From PDF formatted trial report determines risks of bias for domains defined by Cochrane Risk of Bias (RoB) tool, and extracts supporting text for these judgments.

Resource Type: software application, software resource, text extraction software

Defining Citation: [PMID:26104742](#)

Keywords: Automated review, data mining, manuscript screening, artificial intelligence, automatic evidence synthesis, evidence synthesis, trial conduct information, data trial, bias, bias assesement

Funding: NCI UH2 CA203711;
NLM R01 LM012086;
UK Medical Research Council

Availability: Free, Freely available

Resource Name: Robot Reviewer

Resource ID: SCR_018961

Record Creation Time: 20220129T080342+0000

Record Last Update: 20260829T183028+0000

Ratings and Alerts

No rating or validation information has been found for Robot Reviewer.

No alerts have been found for Robot Reviewer.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Lai NM, et al. (2025) Review Article: The effectiveness of school-based interventions for reducing screen time - a systematic review and meta-analysis. Child and adolescent mental health, 30(3), 223.

Hartung T, et al. (2025) Assessing risk of bias in toxicological studies in the era of artificial intelligence. Archives of toxicology, 99(8), 3065.

Moreau D, et al. (2024) Nine quick tips for open meta-analyses. PLoS computational biology, 20(7), e1012252.

Nussbaumer-Streit B, et al. (2023) Rapid reviews methods series: Guidance on team considerations, study selection, data extraction and risk of bias assessment. BMJ evidence-based medicine, 28(6), 418.

Jardim PSJ, et al. (2022) Automating risk of bias assessment in systematic reviews: a real-time mixed methods comparison of human researchers to a machine learning system. BMC medical research methodology, 22(1), 167.

Cierco Jimenez R, et al. (2022) Machine learning computational tools to assist the performance of systematic reviews: A mapping review. BMC medical research methodology, 22(1), 322.

Schmidt L, et al. (2021) Data extraction methods for systematic review (semi)automation: A living systematic review. F1000Research, 10, 401.