

Resource Summary Report

Generated by [PRECISE-TBI](#) on Jul 31, 2026

Umediation

RRID:SCR_024492

Type: Tool

Proper Citation

Umediation (RRID:SCR_024492)

Resource Information

URL: <https://github.com/SharonLutz/Umediation>

Proper Citation: Umediation (RRID:SCR_024492)

Description: Software R package that examines the role of unmeasured confounding in mediation analysis allowing for normally distributed or Bernoulli distributed exposures, outcomes, mediators, measured confounders, and unmeasured confounders. Umediation also accommodates multiple measured confounders, multiple unmeasured confounders, and allows for mediator exposure interaction on the outcome. Enables to simulate unmeasured confounding in mediation analysis in order to see how the results of the mediation analysis would change in the presence of unmeasured confounding.

Resource Type: data processing software, software application, data analysis software, software resource

Defining Citation: [PMID:28724417](#)

Keywords: simulate unmeasured confounding in mediation analysis, mediation analysis, unmeasured confounding,

Availability: Free, Available for download, Freely available

Resource Name: Umediation

Resource ID: SCR_024492

Record Creation Time: 20231002T161336+0000

Record Last Update: 20260731T043158+0000

Ratings and Alerts

No rating or validation information has been found for Umediation.

No alerts have been found for Umediation.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Accordini S, et al. (2021) Prenatal and prepubertal exposures to tobacco smoke in men may cause lower lung function in future offspring: a three-generation study using a causal modelling approach. The European respiratory journal, 58(4).