

Resource Summary Report

Generated by T1D on Aug 2, 2026

AD Model Builder

RRID:SCR_016881

Type: Tool

Proper Citation

AD Model Builder (RRID:SCR_016881)

Resource Information

URL: <https://github.com/admb-project/admb>

Proper Citation: AD Model Builder (RRID:SCR_016881)

Description: Open source software suite environment for nonlinear statistical modeling enabling model development, numerical stability, computation, and accuracy parameter estimates. Language built around the AUTODIF Library, a C++ language extension which transparently implements reverse mode automatic differentiation.

Abbreviations: ADMB

Synonyms: Automatic Differentiation Model Builder, ADMB, ADMB-12.0

Resource Type: simulation software, software toolkit, software resource, data processing software, software application

Defining Citation: [DOI:10.1080/10556788.2011.597854](https://doi.org/10.1080/10556788.2011.597854)

Keywords: nonlinear, statistical, modeling, development, numerical, stability, computation, parameter, estimate

Funding: Gordon and Betty Moore Foundation ;
Joint Institute for Marine and Atmospheric Research and the National Oceanic and Atmospheric Administration

Availability: Free, Available for download, Freely available

Resource Name: AD Model Builder

Resource ID: SCR_016881

Alternate URLs: <http://www.admb-project.org/downloads/>

License: BSD License

Record Creation Time: 20220129T080332+0000

Record Last Update: 20260803T040730+0000

Ratings and Alerts

No rating or validation information has been found for AD Model Builder.

No alerts have been found for AD Model Builder.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.