

# Resource Summary Report

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## 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>

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**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:** software toolkit, software application, data processing software, software resource, simulation software

**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:** 20260801T190544+0000

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## Ratings and Alerts

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

No alerts have been found for AD Model Builder.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.