



ModelRisk

Risk modeling software for Excel

PRODUCT OVERVIEW

Know the odds before you commit

ModelRisk adds Monte Carlo simulation to the Excel models you already have. It shows how likely you are to meet a budget, a deadline or a return, how much contingency or capital you need, and which risks drive the answer.

136

probability distributions

34

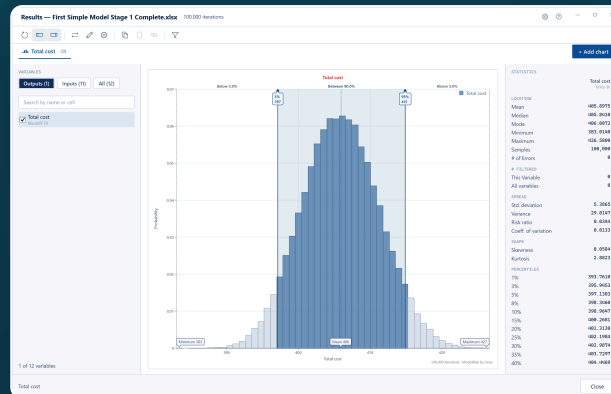
time series models

14

copulas for linked risks

15 days

free trial of the full product



ModelRisk's Results window: a building project's total cost, simulated 100,000 times, with a 90% chance of landing between \$397k and \$415k.

WHY MODELRISK

One number hides the risk

Most plans end in one number, built from the best guess for every input. That number is usually too optimistic, and it can't show how likely it is to be missed. Give each estimate a range, run the model 100,000 times, and the picture changes:

\$404k

the building cost from adding up the best guesses

\$406k

average cost across 100,000 simulated futures

Over 60%

chance of costing more than the best guess

\$415k

a budget that is enough in 95 of 100 futures

From ModelRisk's first tutorial model, a building project with eleven cost lines. Roofing and insulation moves the total most: the estimate to firm up first.

WHAT YOU GET

What ModelRisk gives you



Odds you can plan with

How likely a budget, a deadline or a return is to hold, the P80 budget, and the contingency or capital to set aside.



Effort where it counts

Tornado and spider charts rank the risks that drive the result, so you know which estimates to firm up and which risks to manage first.



Find the best decision

ModelRisk Optimizer searches the decisions in your model for the best simulated result, while keeping to your constraints.



Your own Excel model

Nothing to rebuild and no new platform: every uncertain cell stays an Excel formula that colleagues can open and audit.



Methods with depth

136 distributions, fitting to data, 14 copulas, 34 time series models and aggregate methods, there when a problem needs them.



One edition, an easy switch

Every feature is in every licence. Converters bring @RISK and Crystal Ball models across, a whole folder at a time if needed.

HOW IT WORKS

From your spreadsheet to a decision, in four steps

1 Add the ranges

Give each uncertain input a range, or fit a distribution to your data.

2 Link the risks

Correlate risks that move together; project prices or demand over time.

3 Simulate

Click Start: the model runs thousands of times, each a possible future.

4 Decide

See the odds, what drives them, and which decision is best.

WHERE TEAMS USE MODELRISK

- Capital projects and construction
- Oil and gas
- Power, renewables and utilities
- Mining and metals
- Manufacturing
- Aerospace and defence
- Insurance and reinsurance
- Corporate finance and investment
- Pharma and life sciences



Vose
Putting numbers around risk

ModelRisk · Risk modeling software for Excel

vosesoftware.com/Risk-In-Excel

Features and how to start overleaf →

FEATURES

Everything in ModelRisk, in one edition

Every feature below is included in every ModelRisk licence, with no premium tier to upgrade to. The trial is the full product, and the full ModelRisk brochure, free at vosesoftware.com/Risk-In-Excel, shows each feature in detail.

- **Distributions**

136 distributions grouped by what they model; PERT and other expert-estimate tools; the Shaper for custom shapes; exact percentiles and probabilities without simulating.
- **Correlation and copulas**

Rank correlation and 14 copulas, including Normal, Student-t, Clayton, Gumbel, Frank and the data copula, bivariate or multivariate, fitted to your data.
- **Aggregate losses**

Frequency–severity totals by Monte Carlo, Panjer, FFT or de Pril; deductibles and insurance layers; a body spliced onto a heavy tail; several experts' estimates combined.
- **Results and sensitivity**

Nine chart types and full statistics; runs compared side by side; tornado and spider charts; Goal Seek on simulated results; Impact and Extreme Scenario Analysis.
- **Optimizer**

Optimization under uncertainty or of deterministic models: goals on any simulated statistic; continuous, integer, binary or list decisions; hard or soft constraints; efficient frontier.
- **Switching and sharing**

Converters for @RISK and Crystal Ball models, one model or a whole folder; an @RISK-style ribbon; the SWAP tool for a copy with fixed values; Pelican integration.
- **Fitting to data**

Distributions, time series and copulas fitted by maximum likelihood, ranked by SIC, HQIC and AIC, every fit overlaid on the data; Bayesian model averaging and parameter uncertainty.
- **Time series**

34 models, including GBM, ARMA and GARCH, with multivariate versions, and series built from expert estimates for each period.
- **Turbo simulation**

An optional engine that compiles only the cells that change and runs on every core: a median of about 200× faster in the simulation phase across 89 internal test models.*
- **Reporting**

Reports of statistics, sensitivity, scenarios and simulation data; export to Excel, Word, PowerPoint, PDF and SIPMath 3.0; a library to store and reuse simulation data.
- **Model checking**

View Function shows what any ModelRisk cell does; plain-language error messages; more than 1,000 help topics; Excel's own auditing works on every function.
- **Automation and AI**

Control ModelRisk from Excel VBA, or let AI assistants such as Claude read, build and run models through the open-source ModelRisk MCP server, with every change previewed.

* Simulation phase only, excluding the one-time model analysis and opening the workbook. Median across 89 models from Vose's internal test library, same workbook, 1,000 iterations, Turbo against ModelRisk's classic engine. The gain depends on the model.

ORGANISATIONS THAT USE VOSE SOFTWARE



GET STARTED

Try ModelRisk on your own model

Put ranges into a model you already have and see the odds. Scan a code with your phone's camera to go straight there.



Download the free trial

The full product, free for 15 days, with example models to start from. No payment details needed.



Book a live demo

A 15- or 30-minute online demo of the features you want to see.

Licensing

An annual licence per user, in one edition with every feature. Time and volume discounts apply, and universities and students have an academic offer. Prices: vosesoftware.com/pricing.php.

System requirements

Windows 10 or 11; Excel 2016, 2019 or Microsoft 365, 32- or 64-bit; .NET Framework 4.8. The MCP server needs Excel 2019 or later. Details: vosesoftware.com/System-Requirements.php.



Vose Software BV · Kompasplein 14, 9000 Gent, Belgium
info@vosesoftware.com · www.vosesoftware.com

October 2026. Features as described on vosesoftware.com at the time of writing. @RISK and RISKOptimizer are trademarks of Lumivero; Crystal Ball is a trademark of Oracle; Excel and Microsoft 365 are trademarks of Microsoft. Logos are the property of their owners.