ModelChoice

Decision tree software for Excel

PRODUCT OVERVIEW

Decision trees that solve themselves, inside Excel

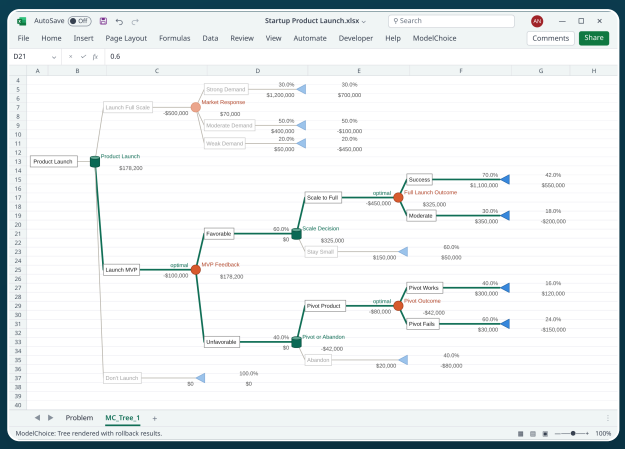
Draw the decision on an Excel worksheet, with every probability and payoff in a cell. ModelChoice finds the best choice, shows the risk behind each option, and tells you what would change the answer.

59 example models to start from

7 languages, ribbon to help

1 click PrecisionTree import

15 days free trial of the full product



A product launch decision in Excel, solved by ModelChoice: launch a minimum viable product first, with an expected value of $178,200.

WHY MODELCHOICE

One number leaves out the choices

A spreadsheet NPV gives one number for one scenario. A decision tree also lays out the choices along the way, so it captures the value of being able to change course. Launch at full scale, launch a minimum viable product (MVP) first, or don't launch:

$178,200 expected value of an MVP first, the best choice

$70,000 expected value of a full-scale launch

42 in 100 chance that the best choice still loses money

30.5% chance of good feedback below which full scale wins

From ModelChoice's Startup Product Launch example, one of the 59 that come with it. A 42% chance of a loss doesn't mean don't launch: it means the board knows the odds, and what would change the answer, before it commits.

WHAT YOU GET

What ModelChoice gives you

The best choice, solved

The value of every option and the best path, worked out again on every change.

The risk of each option

Every payoff of each option and how likely it is, so you compare the downside too.

What would change it

The estimates that move the answer, and the value at which each one flips it.

What information is worth

Whether a study, pilot or survey is worth its cost, before you pay for it.

One page for the board

The recommendation, its robustness, the drivers, the nearest threats and a plain-English summary, on one page.

Your own Excel workbook

Drawn on the worksheet from cells you can link and saved with the workbook; colleagues without ModelChoice can still open it.

HOW IT WORKS

From a whiteboard sketch to a decision, in four steps

1 Draw the choices
The options on the worksheet, each with its cost.

2 Add what follows
Chances and payoffs, each in a cell you can link.

3 Solve
The best strategy and its value, on every change.

4 Test and brief
See the risk and what would flip it; brief the board.

WHERE TEAMS USE MODELCHOICE

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

FEATURES

Everything in ModelChoice, in one edition

Every feature below is included in every ModelChoice licence, and the trial is the full product with all 59 example models. The ModelChoice page, vosesoftware.com/Risk-In-Excel/ModelChoice.php, works through each analysis on the product launch example.

Tree building

Decision, chance and outcome nodes drawn as Excel shapes; probabilities and payoffs in real cells you can link anywhere; Node Editor and a menu on every node; copy, paste, append and replace subtrees; undo and redo.

Rollback and strategies

The tree solved on every change, with the optimal path and the expected value at every node, for trees that maximise value or minimise cost; every strategy ranked, with its gap to the best.

Risk profiles

Every payoff and its probability for each strategy, with summary statistics, and a cumulative view with percentiles.

Sensitivity

One-way analysis with tornado and spider charts and the points where the best choice changes; two-way analysis of the two inputs with the most impact.

Break the Decision

The flip value of every input, a 0 to 100 robustness score and the nearest threats; Force to Outcome finds the changes that would make a strategy you name come out best.

Value of information

EVPI for all uncertainties; EVII for a test of known accuracy, with the revised probabilities, the best decision after each result and the value net of its cost.

Decision Brief

One page with the recommendation, robustness score, key numbers, drivers, nearest threats and a plain-English summary; export it to PDF.

Multi-criteria decisions

Weighted financial and non-financial criteria on named scales; AHP weights with a consistency ratio; weighted sum, weighted geometric mean or WASPAS.

Attitude to risk

Exponential, logarithmic, square-root and linear utility functions, with certainty equivalents and risk premiums.

Monte Carlo with ModelRisk

ModelRisk distributions in any payoff or probability; Expected Value Tracking, Sampled Paths and Perfect Information Bounds. Needs ModelRisk.

Import, export and audit

One-click PrecisionTree import (.xls, .xlsx); JSON export and import of whole trees; named ranges for key values, inspectable formulas and sheet protection.

Automation and AI

Headless commands for Python, .NET and VBA; worksheet functions for node values; the open modelchoice-mcp server lets AI assistants such as Claude build and run trees.

59 example models come with ModelChoice: ready-to-run trees for launches, investments, R&D, expansions, operations and risk decisions, each with a description of the problem it solves. They include Startup Product Launch, Clinical Trial Go-No-Go, Offshore Drilling Campaign, M&A Acquisition Decision, Wind Farm Portfolio, Mining Feasibility Study, Supplier Selection (MCDA), Data Center Build, Insurance Product Launch, Cybersecurity Investment, Hospital Equipment Decision and Airline New Route.

GET STARTED

Try ModelChoice on your own decision

Draw a tree with your own numbers and see its risk profile, robustness score and Decision Brief. Scan a code with your phone's camera to go straight there.

Download the free trial

The full product, with all 59 example models, free for 15 days. No payment details needed.

Book a live demo

An online demo, prepared by a consultant around a decision like yours.

Licensing

An annual licence: desktop per user, or network per concurrent seat, in one edition with every feature. Volume discounts apply. Prices: **vosesoftware.com/pricing.php**.

System requirements

Windows 10 or 11, 64-bit; Excel 2016, 2019, 2021 or Microsoft 365, 32- or 64-bit; .NET 9 Desktop Runtime (setup adds it). Not for Mac OS or Parallels; runs on an Intel-based Mac with Boot Camp. Details: **vosesoftware.com/System-Requirements.php**.

vose Putting numbers around risk

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October 2026. Features as described on vosesoftware.com at the time of writing. PrecisionTree is a trademark of Lumivero; Excel and Microsoft 365 are trademarks of Microsoft.