izi Risk

MONTE CARLO IN EXCEL · IZIRISK QUANTUM

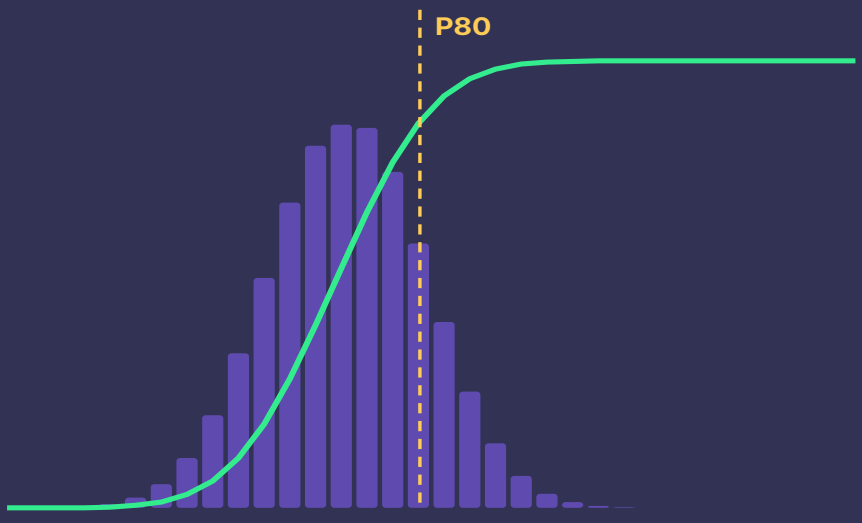
Your spreadsheet, with its risk.

iziRisk Quantum is the Excel add-in that turns any input into a probability distribution and simulates the whole workbook from its own ribbon. iziRisk Hub gives you three ways to a model: convert your own, download a ready-made one, or have the AI build it.

iziRisk Quantum

```
=izpert(40000,52000,70000)
=izuniform(3%,15%)
=izbernoulli(0.2)
```

▶ Simulate



Analysts and modellers
Monte Carlo without leaving Excel

Project and cost managers
Contingency and schedule risk in your own sheets

Risk and finance teams
Ready-made risk models to adapt

THE PROBLEM

A spreadsheet gives one number. Reality gives a range.

Budgets, business cases and bids are built on single best-guess inputs. The answer looks precise, but it hides how likely it is, and which assumptions could overturn it.

WHAT A SPREADSHEET SHOWS

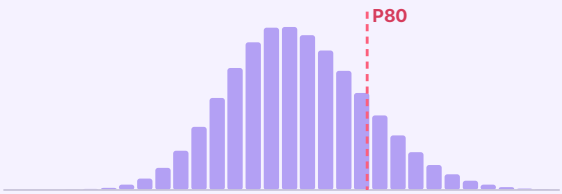
Inputs: best guesses

One total

Probability: unknown

One answer, as if every assumption were certain.

WHAT QUANTUM SHOWS



The whole distribution of the result: the chance of exceeding the budget, the P80, and which inputs drive it.

1 **Single-point inputs**
Every estimate has a range; one value per cell hides it.

2 **Hand-built what-ifs**
Three scenarios are neither a distribution nor a probability.

3 **No ranking of drivers**
Without a tornado, effort goes to the wrong assumptions.

HOW IT WORKS

Three ways to a model, one way to simulate it

Just iziRisk it!
Upload a model you trust: the AI finds the key output, ranks its inputs with a ±10% tornado and recommends a distribution for each.

Download general models
Ready-made Quantum workbooks for cost, schedule, reserves, operational risk and more, filtered by type, tier, language and category.

Build from scratch
Describe the problem in a sentence: the AI asks a few questions and builds the workbook with iziRisk distribution functions.

Simulate in Excel
Inputs, Outputs, Parameters and Simulate on the ribbon; then Histogram, S-Curve, Tornado and Reports.

⚠ **Before opening a downloaded workbook: unblock it.** Windows marks files downloaded from the internet, and Excel blocks their macros. Right-click the file → Properties → tick Unblock → OK, then open it; otherwise the iziRisk Quantum ribbon stays disabled. Once per file is enough.

INSIDE YOUR OWN WORKBOOK

Any input a distribution, any result a probability.

The iz functions sit in ordinary cells, so the model stays yours: formulas, layout and charts unchanged. Every iteration recalculates the workbook with fresh draws.

3
ways to get a model

8
ribbon commands, from Inputs to Reports

3
licences: Student, Professional, Enterprise

5
languages: EN, ES, PT, FR, DE

Distribution functions

Three-point
Triangular and PERT, also in percentile form, for expert ranges.

Continuous
Normal, lognormal, uniform, beta, gamma, Weibull, Pareto, Gumbel, logistic and Student-t.

Discrete
Poisson, binomial, integer uniform and Bernoulli, for counts and yes/no events.

Correlation
Inputs that move together can be correlated, so the result is not falsely diversified.

Results on the ribbon

Histogram
The distribution of each output, with its mean and percentiles.

S-Curve
Read any probability straight off: the chance of staying under any value.

Tornado
Which inputs move each output the most.

Reports
The run's statistics, ready to share.

AN EXAMPLE

A five-year investment model, made probabilistic

The ready-made example of Just iziRisk it! is a deterministic NPV workbook with several levels of formulas: units sold, revenue, costs, EBIT, tax and cash flow, all feeding one output.

The key output
The AI picks the net present value, 36,169 dollars, in cell B28.

Its drivers
Nine hard-coded inputs; unit selling price first, then unit variable cost and year-one units sold.

The distributions
A PERT or triangular range for each influential input, reviewed before conversion.

The workbook
An .xlsm where those inputs are iziRisk functions, ready to simulate in Excel.

Getting started

Unblock, then open
Right-click the downloaded file → Properties → Unblock → OK, once per file.

Watch the guided tour
A narrated tour of the three routes, behind the Guided tour button on each Excel model page.

Start from the hub
iziriskhub.com → Models → Excel models: Just iziRisk it!, Download general models, Build from scratch.

Next step: one of your spreadsheets, simulated

Send us a model you already use: a budget, a bid or a business case. We convert it, simulate it in Excel with iziRisk Quantum and walk you through the distribution, the drivers and the contingency it implies.

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