GETTING STARTED

Your first forecast in five minutes.

Bellman DSGE is country-first: you don't assemble a model by hand, you pick an economy and the model assembles itself. This guide takes you from a fresh install to a solved, exported forecast.

1 · Open the app and pick a country

Launch **Bellman DSGE**. The sidebar on the left is your map: `Dashboard`, `Model`, `Calibration`, `Data`, `Shocks`, `Diagnostics`, `Vintages`, `Data Browser`, `Manual`.

Open the **country picker**, type to search, or filter by IMF region chip. Pick your economy — say *Norway* (oil exporter), *Maldives* (tourism SIDS), or *Seychelles*. The matching archetype resolves, the right modules load, and the calibration form fills with country-specific headline numbers automatically.

2 · Review the calibration

Open the **Calibration** tab. Every parameter arrives pre-populated with sensible defaults and country overrides — discount factor, Phillips slope, Taylor coefficients, openness, inflation target, debt-to-GDP, and any module-specific parameters (commodity share, tourism share, AI persistence). Each field shows its symbol, plain-language name, and an estimation hint. Values outside an economically sensible range are flagged before you solve.

3 · Solve

Hit **Solve**. The engine computes the steady state, the per-shock impulse responses, the forecast fan, theoretical moments, a variance decomposition, and the determinacy diagnostics. The status bar reports the solve time and the run's short provenance hash.

4 · Read the dashboard

- **Overview** — workspace summary: active template, country, horizon, variable/shock/parameter counts.
- **Forecast** — central-bank-style fan charts for every observable, history overlaid where you've loaded data.
- **Shock Analysis** — impulse responses for each structural shock, by channel.
- **Diagnostics** — determinacy, stationarity, and the Taylor-principle check.
- **Model Setup** — the equations and the active base + modules behind the run.

5 · Save a vintage and export

Click **Save Vintage** to snapshot the entire run — calibration, results, and provenance hash — as an immutable, versioned record you can diff against later. Then use the **Export** menu to produce any of six formats from the same canonical state:

FORMAT	USE CASE
Interactive HTML	Send to a colleague — opens offline in any browser
Quarto (.qmd)	Render to PDF / HTML / Word for a paper
LaTeX bundle	Drop tables straight into a working paper
Excel (.xlsx)	Open in Excel, Numbers, or LibreOffice
Vector PDF	Slide decks and committee handouts
CSV bundle	Python / R / Julia downstream pipelines

> **Tip.** Load your own history first (the `Data` tab accepts CSV with automatic column mapping) so the fan chart opens out of your observed series rather than from steady state.

*For the full treatment — every parameter, every module, worked examples, and the methods appendix — see the in-app **User Manual** (14 chapters) and the **Engine SOP**.*