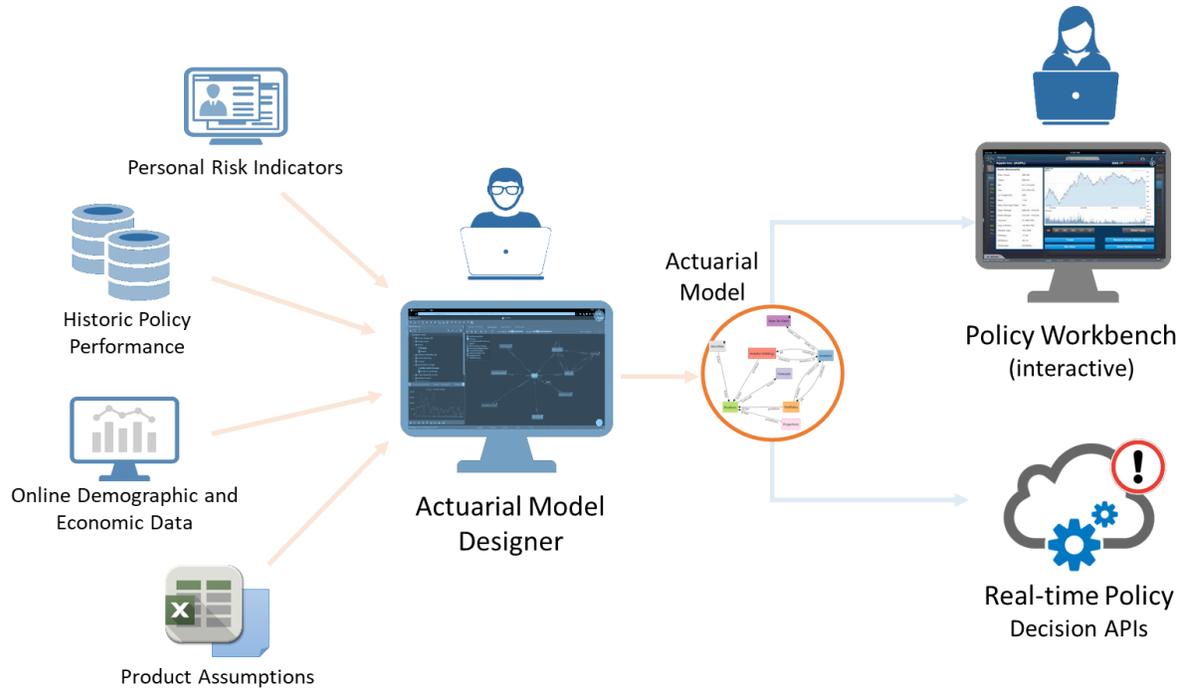


# Insurance Analytics Automation

Modelshop streamlines actuarial analytics and reporting by automating portfolio risk calculations currently done in spreadsheets.



### Accelerate new model development

Develop and update actuarial models 70% faster by eliminating manual data manipulation and calculations.



### Increase visibility and collaboration

Move calculations and analysis to your internal cloud, increasing cross-team collaboration and transparency.



### Reduce costs, increase focus

Automate redundant back-testing and calibration, allowing analysts and quants to focus on higher-value work



### Deliver real-time pricing services

Deploy API enabled pricing and origination engines using the same logic and analytics used to optimize your portfolio.

By eliminating spreadsheets supporting actuarial modeling, organizations can accelerate insights, reduce costs, minimize risk and spend more time analyzing the business.

# Modelshop - Insurance Analytics Automation

Putting data to work

Insurance companies have always relied on actuarial data analytics to optimize value for their customers and shareholders, but new sources of behavioral data and competition from non-traditional players have created a more competitive and innovative marketplace. Modelshop allows insurers to quickly create new decision models that leverage new data and render optimized real-time decisions directly to their customer touch-points.



## Analytic Automation

Fully automate the financial calculations, statistical validation and reconciliation that drives the actuarial modeling process - dramatically reducing cost, increasing repeatability and reducing risk.



## Statistical Quality

Leverage multiple economic based scenarios that drive projected portfolio performance and run simulations to optimize expected returns. Instantly deploy optimal decision strategies as real-time decision services.



## Exception Alerting

Produce alerts on data quality, aggregation mismatches or calculation errors. Fire automated compensation rules to correct known errors and produce exception reports to help fix upstream errors.



## Model Risk

Monitor and track model changes and performance, enhancing visibility and creating a valuable audit trail for internal or external audits. Automate calibration of advanced models created in R or Python.



## Qualitative Assurance

Track the performance of actuarial models over time, allowing continuous improvement of quality and efficiency. Report on calculation logic, dependencies and data lineage to reduce audit risk.

The Modelshop team can help customers quickly create custom automation models based on existing spreadsheets or custom code. Contact us for a live demo or to start an evaluation.