



THE NEXT GENERATION INSURANCE PRICING SOLUTION

Boosting your pricing capabilities with Akur8

Akur8 empowers actuaries to make better decisions, faster. Akur8 utilizes proprietary Machine Learning algorithms to automate insurers' pricing processes, providing unprecedented value. Join the pricing revolution and achieve significant loss ratio improvements. Akur8 is the right partner to support insurers on their pricing sophistication journey.

Akur8: pricing process automation driving business impact

Akur8 is the only technology on the market that automates the generation of production-ready GAM/GLMs¹. Akur8 injects game-changing speed and accuracy to insurers' pricing process, allowing pricing teams to build highly predictive models in record time, while maintaining full transparency, auditability and control over the models created.

Akur8's benefits are unmatched on the market:

	Traditional approach (GAM/GLM)	Generic ML modeling (GBM, Random Forest)	AKUR8
Precise modeling	—	✓	✓
Automated modeling	✗	✓	✓
Large database processing	—	✓	✓
Understanding & auditability	✓	✗	✓
Seamless integration	✓	✗	✓

Akur8 brings speed and performance to your predictive modeling, while upholding transparency and safety.



SPEED:
10x faster

Accelerate pricing time-to-market **from weeks to hours.**




PERFORMANCE:
10% higher predictive power

Make better predictions. Unlock direct loss ratio improvement potential.




TRANSPARENCY & SAFETY


Robust and safe methodology. Built-in transparency, auditability and control.




Akur8 **accelerates the iteration cycle** from data collection and preparation to modeling, by enabling users to **rapidly build production-ready predictive models.**



Akur8 is a cloud-based, **collaborative, easy-to-adopt solution.** It has been designed for business users, to allow for extra-fast onboarding.



Akur8's **live business support** is accessible through a chat. Experts will assist you with efficiency and proficiency, **helping you perfect your use of Akur8.**

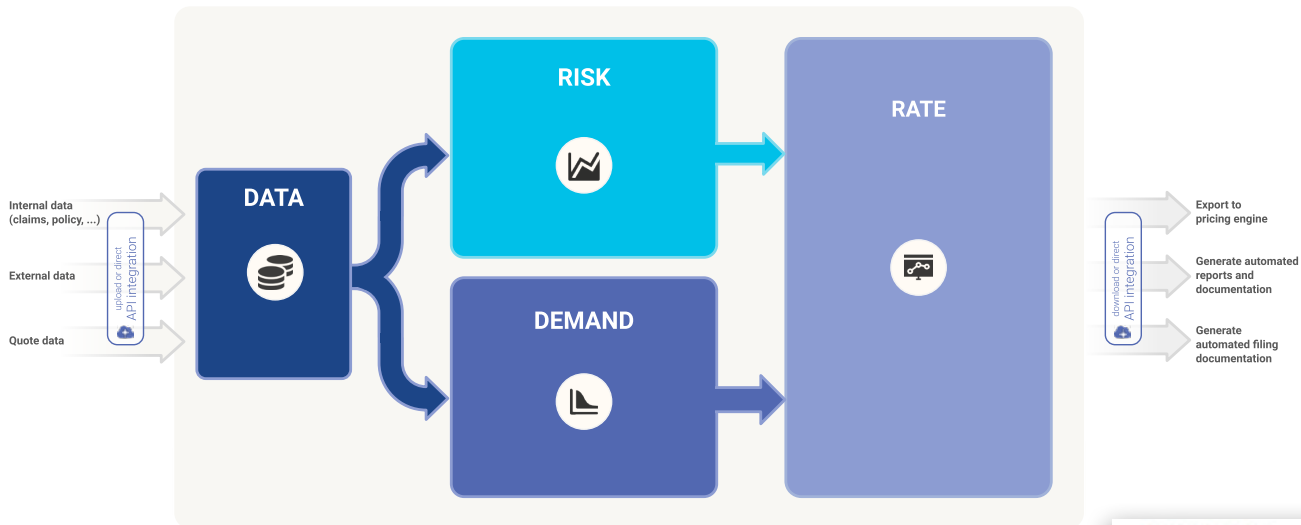


Akur8 **integrates seamlessly into your production process,** interfacing through **APIs,** offering **1-click exports of models** and associated **documentation.**

1. Generalized Additive Models / Generalized Linear Models

Akur8: a comprehensive modular SaaS solution

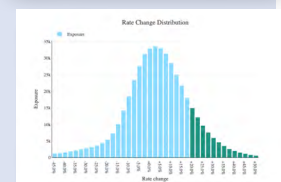
Leveraging proprietary Transparent AI technology, Akur8 offers unique automation capabilities across the pricing value chain, with no integration cost and seamless API interfacing.



RISK

Generate, select and adjust models.
 Enrich with automated interactions, geography and external data.
 Aggregate models to compute coverages and policies pure premiums.

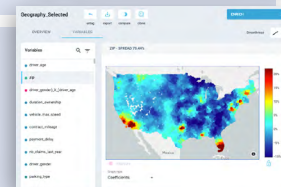
- Data uploading, visualization and preparation
- New variables creation
- Automated GLM/GAM modeling
- Automated interactions between variables
- Automated geography
- External data exploration
- Vehicle Classification
- Pure premium building through models aggregation
- Rating structure and automated documentation exports for audit



DISLOCATION ANALYSIS

Assess the impact of planned rate changes on a portfolio.
 Design the rate plan that will be best aligned with the business' overall portfolio strategy.

- Visualization of rate change impact on portfolio
- Discovery of the most significant variables driving the dislocation
- Rate change analysis by segment
- Actionable insights to adjust rates



RATE

Build your rates from data to production
 Make the best and most informed pricing decisions
 Monitor portfolio performance at granular level
 Identify performance gaps across segments
 Align and explain rate decision making across organizations and regulatory boards

- Rating table exports and integration with a rating engine
- Premium adjustments
- Leakage analysis (Loss Ratios, AP-TP)
- Rate change analysis (dislocation)
- Ad-hoc portfolio visualization and reporting
- Conversion vs retention
- Custom KPIs on top of the premiums built

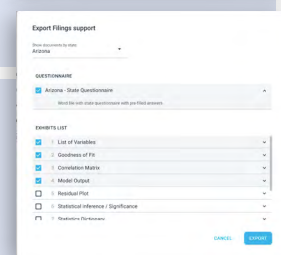
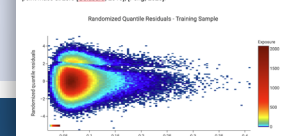


Figure "Randomized Quantile Residuals - Training Sample" shows randomized quantile residuals (RQRs) (Dunn, 1996) computed on the training data. RQRs are computed using the mean and variance for each observation to construct a distribution, based upon the error distribution, from which to sample from and are useful when data is highly skewed or has a point mass at zero (Gottlieb, 2016), (Peng, 2020).



AUTOMATED REGULATORY FILINGS

Exclusive US feature.
 Automated generation of regulatory rate filings support documentation for each of the 50 US States.

- Automated generation of a Regulatory Filings Support Documentation
- Custom selection of all information required to file rate models in every state
- Available to all US customers



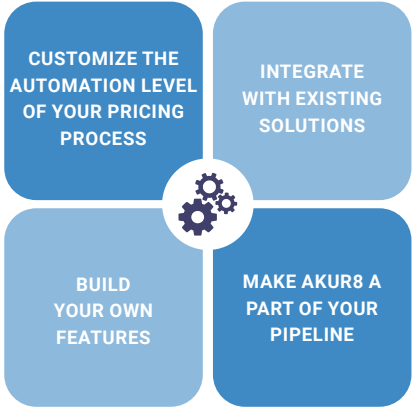
Akur8 is API-enabled

Akur8 is launching APIs to empower insurers to get even more value out of our solution and ease overall integration across insurers' complex existing IT solutions landscape.

Customers will be able to call Akur8 APIs from their own Python scripts with minimal set up across a wide range of use cases:

- Upload database
- Reuse database formatting
- Launch Grid search
- Enrich a GLM with interaction and Geo
- Export rates and Predictions
- Duplicate risk project on a new database

... and more to come !



What our customers say about us

Akur8 works with 30+ leading insurance carriers over 16 countries in Europe, Asia and in the Americas. Our customers are leveraging Akur8 across a wide range of non-life use cases, from P&C Personal, Commercial and Specialty lines, to Health Insurance, whether Direct or Intermediated.

“**Time to market** is a core KPI for our central product factory. We’ve brought it down from months to a few weeks already. Akur8 will help us to **further reduce the time to market for new tariffs to a couple of days.**”

“wefox Insurance and Akur8 are both committed to **bringing more speed and fairness** to their customers.”

Oliver Lang
CEO at wefox Insurance

“Akur8’s strengths, pivoting on the commodification of prediction power, allow for what we call **“The third wave” of insurance pricing**: while keeping full control on the process, most of the time of the domain expert is spent on **understanding the problem and applying the right solution**, not in tedious repetitive modelling tasks. Although they are a start-up, the Akur8 team’s **professionalism, credentials, and reactivity** along the whole process were determining factors in our choice - which was made after an in-depth selection process where each player’s value proposition and strengths were thoroughly reviewed.”

Massimo Cavadini
Global Head of Actuarial Consulting and Data Analytics at Munich Re

“Akur8 have a **great solution** to a problem that we have – **converting data into underwriting actions** and so it makes perfect sense for us to work with them.”

“On a **combined ratio basis** we’d be looking at a **6% improvement in our performance** based off the work we did with Akur8. That’s a huge improvement for us, and is basically the **difference between** the class of business being **loss making and performing well.**”

Rob Porter
Product Director at Vave, Canopus Group



Cloud-enabled productivity
Leveraging cloud technology to maximize parallelisation of tasks and projects

No integration cost
Akur8 is a plug-and-play SaaS solution. No integration with IT legacy systems is required. No set up delays or costs.

Unlimited number of users
The Akur8 platform is accessible to an unlimited number of users, facilitating not only collaboration, but also pricing teams' upskilling and efficiency.

New features released every month
Our data science and development teams are delivering new features and product updates every month. Your teams will automatically benefit from the latest releases.



**80%+ of insurers who tested Akur8
through a pilot
have deployed the solution**

GET A DEMO

www.akur8.com

contact@akur8.com



Dedicated Secure Environment

Each client is hosted on a dedicated instance of the product (database, URL, settings).



Advanced Security Standards

The Akur8 platform is built with best-in-class security features and technology.
Akur8 is ISO-27001 certified.



Compliance Privacy Standards

Akur8 does not have access to insurers' data and ensures compliance with GDPR / National / Federal privacy standards.
Based on clients' preference, data can be hosted in the EU, US, Canada, Brazil or Asia.