

Policyholder Loyalty

Deploying a predictive model solution reduces lapses by 50% across key customer segments

Insurance coverage can terminate for several reasons such as cancellation due to the policyholder obtaining coverage elsewhere or allowing the coverage to lapse. Insurance lapses typically result from not paying the premium when due. It is no secret that customer retention is a top priority for many companies; acquiring new customers can be 5 times more expensive than retaining existing ones. How can we use data science to uncover the key indicators driving lapse and estimate the lapse risk associated with individual customers for a data-driven retention strategy? By prioritizing and targeting customers for retention campaigns based on their likelihood to lapse, businesses can reduce the cost of campaigns, reduce lapse rates, increase profitability and ultimately improve customer loyalty.

How do you gain an in-depth understanding of the customer behavior and lifetime value to meet ambitious business targets around reducing lapse, driving cross sell/upsell and improving their marketing capabilities? How do you avoid losing a significant chunk of your high value customers to competitors despite marketing initiatives and hence wanted a better way to identify and target their "high risk" base?

GOALS

APPROACH

RESULTS

Create lifetime value customer segments

Improve retention rates across segments

- Define "lapse" types: renewal lapse, mid-term lapse, etc.
- Segment policyholders by tenure or lifetime value segment groups
- Build lapse propensity models across seaments creating a lapse risk score along with identifying top lapse triggers
- Create 5-6 key uplift scenarios and quantifying their impact
- Design a treatment campaign to prevent policyholder churn (or policy lapses) for high value seaments

- 8 weeks from whiteboard to results Achieved overall model predictive accuracies above 77% 50% lapse reduction for high value customers over a 1-year

- 12 insights (6 new and actionable for the business)
- Availability of lapse propensity scores and lifetime value

In executives' own words:

"We've been product-centric forever. We didn't understand our customers and what motivated them. We have been able to drive customer satisfaction through improved retention initiatives"

- Head of Customer Analytics

OPERATIONALIZING & COMMERCIALIZING RESULTS

Productionize the model

The lapse prediction models offered insights into lapse drivers and risk scores across segments and lapse types. In order to use the risk scores to drive actions, the model was part of a customer analytics platform that exposed scores to both inbound and outbound channels via a next best action hub

Layer-on additional models

After measuring the success of the lapse prediction model over a 6-month period via retention campaigns, addition models were built around quote conversion and loan underwriting for better customer acquisition and a more comprehensive view on next best actions

Operationalize the solution

Once a complete solution is built, tested and accepted, it is integrated with business operations by applying consistent and sustainable changes to the existing operating model



Total number of policies Total number of target policie Total premium of target policies Total premium of lapsed policies Average new policies per year

5,373,840 1,217,923 ~US\$ 548m ~US\$ 49m 202,987





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