

Automatic detection of trend variations in loss ratio for a global insurer



CLIENT

The world's largest property and casualty insurer

BUSINESS CONTEXT

A global insurance provider wanted to invest in detecting anomalous variations in long term trends around loss ratio. They also wanted to identify the underlying root causes across multiple dimensions in order to help underwriters mitigate risks by pricing the portfolio effectively.

BUSINESS IMPACT

200 BPS reduction in ultimate loss ratio

90% Reduction in analysis time



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[How we delivered Value – Go to page 2](#)



SOLUTION DEPLOYMENT

BRIDGEi2i's proprietary accelerator Watchtower™ used anomaly detection and graph networks to identify underlying root causes and improve the effectiveness of portfolio pricing.

BRIDGEi2i helped the client extract data and aggregate at multiple levels of granularity. Our expert data scientists used data modelling to link policy data & claims data. We identified dimension hierarchy by analyzing information value using Machine Learning models.

Data was aggregated by quarters and hierarchy was defined across dimensions (partner, coverage, age, gender, etc.) and KPIs (loss ratio, claim severity & frequency, average premium, large losses, etc.). The Watchtower™ was instrumental in providing early warning signals for anomalies. It also enabled dynamic price intervention based on accurate identification of root causes & impact of rating factors.



Talk to us

BRIDGEi2i delivers faster time to value and more accurate decisions

Learn how

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