

Transforming Risk Management with Predictive Analytics

AT A GLANCE

Challenges

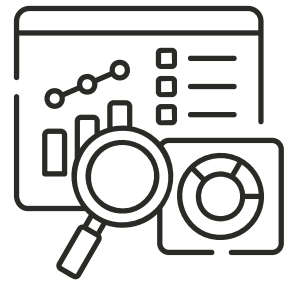
- Lack of advanced analytics capabilities
- Difficulty detecting anomalies in claims
- Inability to predict high-risk policies
- Inefficient workflows for data integration

Methods

- Developed anomaly detection models using AzureML
- Implemented Azure Data Factory for seamless data integration
- Applied iterative model training for improved accuracy
- Preprocessed data for enhanced model reliability

OBJECTIVES

WaterStreet sought to integrate machine learning (ML) into its platform to empower clients with advanced tools for risk management. The primary goals were to improve the accuracy of risk assessments, reduce the incidence of fraud, and enhance decision-making capabilities. The project aimed to fill the gaps in WaterStreet’s existing system by providing proactive, data-driven insights that would allow insurers to detect high-risk policies and anomalies more effectively, ultimately reducing operational costs and increasing operational efficiency.



SOLUTIONS

IntelliTect developed machine learning models using AzureML to detect anomalies in claims and assess policy risks, providing insurers with timely, actionable insights. The models were integrated with Azure Data Factory to ensure smooth, real-time data flow from existing systems, minimizing disruptions. Through iterative training, robust data preprocessing, and continuous model optimization, the solution delivered high levels of accuracy and reliability, empowering insurers to make more informed decisions and reduce risk exposure.

BENEFITS



Risk Mitigation

Early anomaly detection and risk prediction reduced fraud and potential losses.



Operational Efficiency

Automated risk assessments streamlined workflows and improved efficiency.



Industry Leadership

Predictive analytics positioned WaterStreet as an innovative leader in insurance tech.



By working with IntelliTect, we’ve been able to leverage cutting-edge technology to improve the way our clients assess risk and manage exposure. The results speak for themselves—our clients now have the tools they need to make more accurate, data-driven decisions.



Nathan DeSpain
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