

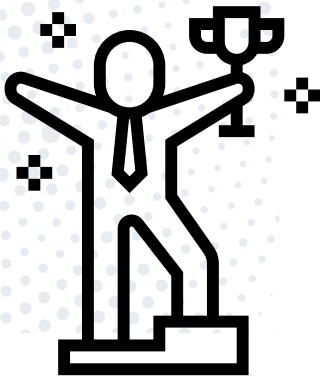


## A success story of achieving Insurance Underwriting automation for Decision Making

**Client:** The client is a leading insurance provider located in the US.

### Business Challenge:

The client faced significant challenges in its underwriting process, which was largely manual and time-consuming. The company struggled with lengthy turnaround times for policy approvals, leading to customer dissatisfaction and increased operational costs. Additionally, the manual underwriting process was prone to errors, resulting in inconsistencies and inefficiencies.



### Solution Delivered:

To address these challenges, the client partnered with us for underwriting automation system. We utilized advanced AI and ML algorithms to automate the underwriting process with various techniques such as supervised learning, unsupervised learning, and reinforcement learning to analyze data, identify patterns, and make predictions. Data analytics algorithms help extract valuable insights from the vast amount of data to support decision-making in underwriting. Risk assessment models, which regression, trees, ensemble methods employed to evaluate the level of risk associated with each insurance applicant. Predictive analytics algorithm used for forecasting future results, potential risks, and trends, allowing the insurer to adjust underwriting decisions accordingly.



## Business Benefits:

 Improved efficiency in underwriting automation

 Instant decision-making improved customer satisfaction & retention rates.

 Reduced operational costs associated with resources.

 Accurate risk mitigation & better management.

 Scalability

 Competitive Advantage

 Data-Driven Insights of customer behavior, preferences, and risk profiles.

 Regulatory compliance to avoid potential fines or penalties.

 Flexibility and adaptability

 Continuous Improvement

## Technologies Used:

AI: TensorFlow, PyTorch, scikit-learn

ML: Random Forest, Gradient Boosting Machines (GBM), Support Vector Machines (SVM)

Data Analytics: Power BI, Google Analytics

Predictive Analytics: SAS Predictive Modeling, IBM SPSS Modeler, RapidMiner

As your trusted partner in life insurance, we invite you to explore how automation can revolutionize your underwriting process and drive business growth.

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