



Enabling Underwriting through advanced data analytics

Bridging the gap between in pricing



Meeting with you today are..

Speakers



Pankaj Parasar

Global Insurance Head of Sales Cognizant technology Solutions

Pankaj is responsible for managing growth for North American Insurance Business Unit. He believes that North American Insurance market is at a point of inflection. As the power of digital expands across the enterprise, newer revenue models and acquiring newer demographics like millennials rather than cost and labor arbitrage will be more important drivers of transformation programs. He lead teams focused on helping clients identify untapped opportunities as they reevaluate their current strategies and partnerships.



Yash Yedavalli Data Science & Analytics Lead Cognizant technology Solutions

Yash is responsible for the development of analytics products with extensive experience in leveraging 3rd party datasets. He has over 14 years of experience in Management Consulting, Analytics Strategy – Roadmap & Benefit Case Development. He also leads our Geo-Spatial Analytics group for NA and has worked with several insurance clients helping them with Sales & Distribution, Agency & Commissions, NB UW, Business Process Reengineering.

Moderator



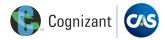
Rob Galbraith is a Director of Underwriting Research at USAA where he leads a highperforming team of professionals focused on writing profitable risks in catastrophe-prone areas of the US. Rob's passion is finding ways to provide insurance products to all who have a need efficiently through innovative approaches, building strong relationships with a wide variety of people from a variety of disciplines, and educating customers on the risks they face and inspiring them to take action to strengthen their resilience.



AN UNDERWRITER IS A PROFESSIONAL THAT HAS THE ABILITY TO UNDERSTAND THE RISKS TO WHICH THE UNDERWRITTEN OBJECT IS EXPOSED TO. THIS ABILITY IS GAINED NOT ONLY THROUGH THEORETICAL STUDY BUT IS ALSO THE RESULT OF YEARS OF EXPERIENCE DEALING WITH SIMILAR RISKS AND PAYING CLAIMS ON THOSE RISKS.

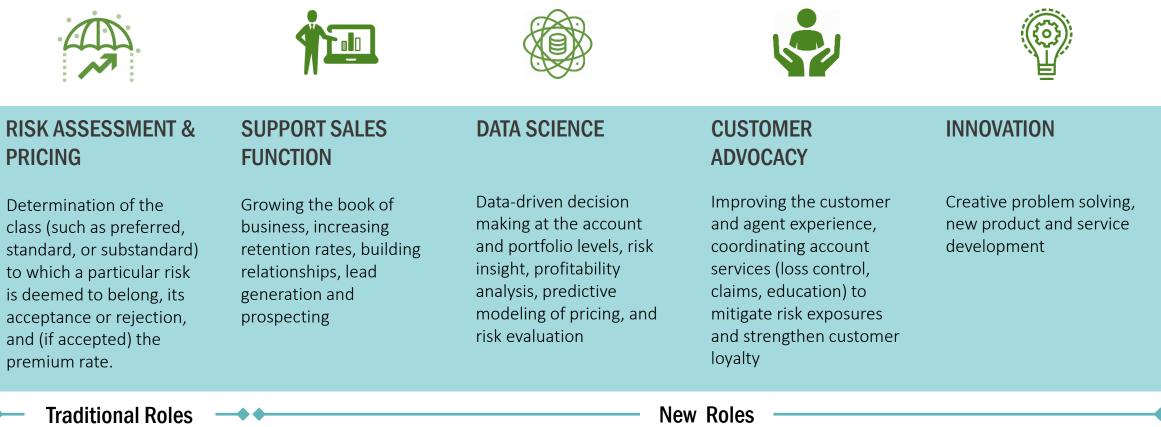
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Source: The World Bank



Changing role of underwriters

With an increased focus on enhancing Customer Experiences and digital strategy, Insurers are turning their attention to underwriting. Insurers are realizing that there is great value in modernizing the UW underwriting function and leverage it toward more strategic digital goals.



Source: Findings from the EY-CPCU Society underwriting survey

To excel in these new roles, underwriters have to deal with new challenges



- Underwriters does not have all of the data they need to effectively and consistently analyze and accurately price risks quickly
- Lack of pre-built data connectors within the underwriting management systems to get a 360 view of risks, costs insurers in both expense and potential lost opportunities



- Inability to tap into local market insights
- Inability to do root cause analysis to understand portfolio performance metrics
- Inability to proactively manage business problems through advanced analytics



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GROWING EXPECTATIONS

- Inability to extrapolate data to align with Marketing and Financial portfolio underwriting.
- Inability to be proactive when it comes portfolio underwriting management
- Lack of holistic view of Internal and External data impacts ability to make better decisions



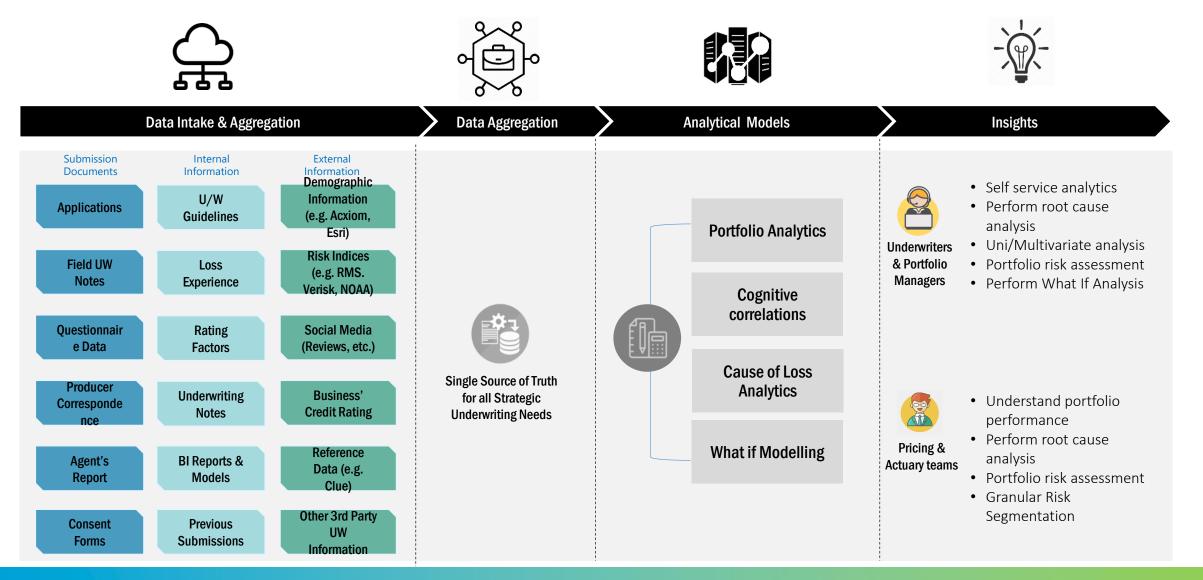
Where data and analytics can help underwriting value chain

Data analytics is revolutionizing underwriting as vast amounts of real-time digital data is now available through a variety of data sources including social media and connected devices. These data sets can be monitored and analyzed for specific trends and patterns. These insights can help customize the policy offerings and determined underwriting decisions based on real-time and historical data sets.

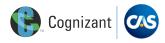


An Integrated approach to better insights for underwriting

Approach to Making AI/Cognitive intelligence solution for underwriting



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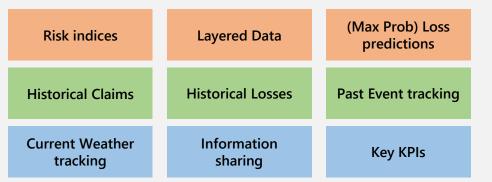


Portfolio Insights for Home Office and Field Adjusters

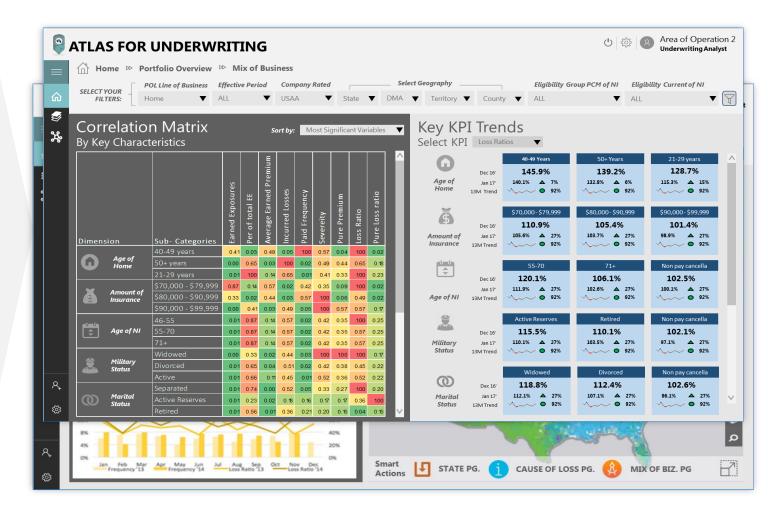
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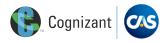
- Need to share information across the board for field adjusters and U/W teams
- Understand historical claims and causes
- Overlay several sources of information

Solution Features



- Understand Portfolio performance
- Ability to use cognitive technology to discover correlations that exist within data sets and test hypotheses quickly
- Provide critical feedback to pricing teams





Perform the cause of loss analysis to reduce your time market

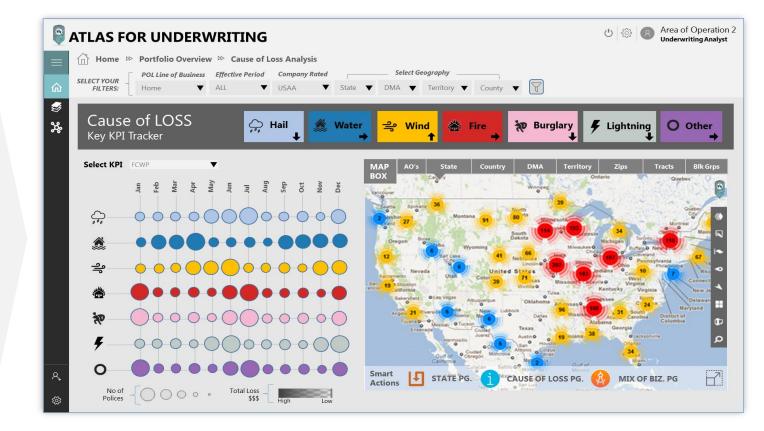
Background

- Ability to layer weather and event information on your portfolio and compare with loss development patterns from the past
- Ability drill down to cause-effect relationships of events and losses

Solution Features

Clustering	Heat Maps	Key KPIs				
Weather Events	Historical Losses	Past Event tracking				
Current Weather tracking	Information sharing	Key KPIs				

- Understand the reason behind loss experience.
- Avoid tedious data exploration studies reducing time to market
- Ability to understand changes in risk profiles so that pure premium or experience based pricing can be improved



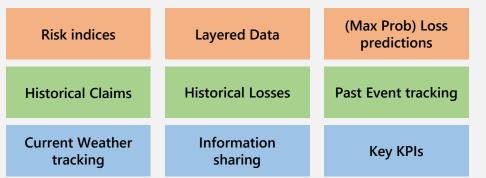
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What-IF simulator enables you to understand the impact of your decisions

Background

- Need to share information across the board for field adjusters and U/W teams
- Understand historical claims and causes
- Overlay several sources of information

Solution Features



- Reduce losses, loss ratio & questionable claims
- □ Increase premium per customers/households
- □ Improve risk profiling capability at NB UW
- Increase profitability in the long term

ATLAS FOR UNDERWRITING														
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Portfolio Risk Mapper helps you visualize all your policies and exposures

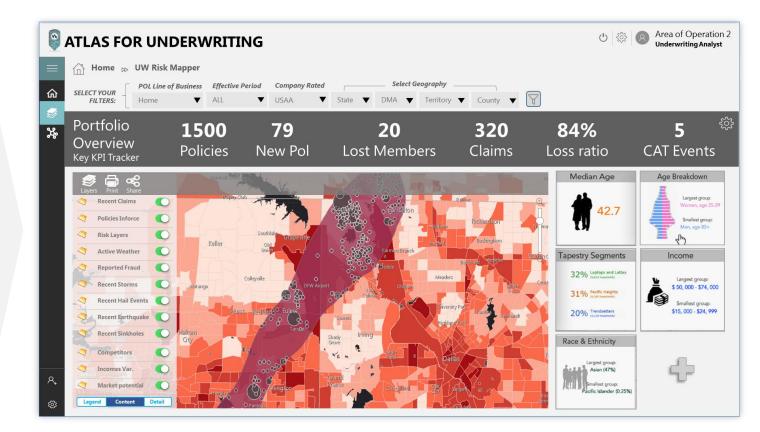
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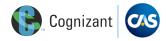
- Want answers to key business questions such as "who are my most profitable customers?"
- Understand market share and competition
- □ Identify changes and spikes in key metrics

Solution Features



- Ability to define, track and report major changes in KPIs in geographic areas
- Gathering "local intelligence"
- Provide ability to coordinate between underwriting and pricing teams





Business benefits of our approach



Lower frequency & severity

 Improved loss ratio
 Win market share
 Better risk selection
 Higher operational efficiency
 higher competition awareness
 Deeper understanding of member & risk characteristics



Thank You



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The 3rd party data provider landscape is fairly large and growing

