Intelligent Monitoring: Best Practices for Measuring and Reacting to the Market

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Intelligent Monitoring Agenda ^(*) Current State of 'The Office' ^(*) Monitoring Defined ^(*) Getting Started ^(*) Common challenges



Poll Question Which theme from 'The Insurance Office' hits closest to home? One-off requests from management Following the annual rate change schedule Investing as much time on low premium and high premium states Dropping everything into a pivot table to hunt for something interesting Nothing, we have it figured out

































Steps to creating an automated intelligent monitoring system				
Available Action Levers				
Monitored KPIs	 What metrics should be monitored? Which segments? Determine appropriate expectation reference 			
Data Needs	 Which data needed for KPIs and segment analysis? Frequency of available data updates? Calculated Metrics? 		Intelligent Monitoring System	
Models/Business Rules for Alerts	 Build business rules and/or predictive models Thresholds for each KPI/segment Who and how will they receive alerts? 		e y si e i i i	
Drift Decomposition				
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Root Cause Analysis	
KPI monitoring Conversion [%]	
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Steps to creating a	n automated intelligent mon	itoring system
Available Action Levers	• What actions can you take? • Start with the end in mind	
Monitored KPIs	 What metrics should be monitored? Which segments? Determine appropriate expectation reference 	
Data Needs	 Which data needed for KPIs and segment analysis? Frequency of available data updates? Calculated Metrics? 	Intelligent Monitoring
Models/Business Rules for Alerts	 Build business rules and/or predictive models Thresholds for each KPI/segment Who and how will they receive alerts? 	System
Drift Decomposition	• Model vs Data Drift • Identify drifted variables	
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