Case Study: Information Data provider for Bank Financials at Moody's Analytics

A Case Study in Turning Discovery into a Strategic Asset

Client: Information Data provider for Bank Financials at Moody's Analytics

Client Context: Top Credit Risk Financial Analytics

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Challenge/Issue:

Information Data provider to the Bank Industry product was not meeting quality expectations, nor the SLA for data delivery speed. Manual financial statement production was timed at average of 9 hours with a 100 hour delivery into the product. Speed to deliver was not available 24/7, with 16 hours between operating hours for centers established by non-English capacity. IP could not process Private sourced financial data. Established SLAs were 48 hour production; 95% quality.

Solution:

Build a high-volume production capacity within the firm to end the IP relationship. Data taxonomy 2400 datapoints; approximately 400 unique data points for each processed statement. This required an automated bank financial statement processing targeting at 65% time-to-deliver improvement and 96% accuracy target for the automated output. Machine-learning target to eliminate human exception processing after 4 similar consecutive statements, meaning Bank interim reports could be processed in less than 60 minutes (beating all known competitor SLAs).

Required proof of concept testing of multiple technologies (7), **machine learning and AI tools** for automating data acquisition, normalization and analysis of structured and unstructured financial data, as well as processing of multiple financial statements (years of business units) out of a single source. Entailed launching offshore operations within **Southeast Asia and Latin America**.

Impact:

Selected technology is capable of 100% source ingestion, regardless of normalization requirements, that is stored for future analytical application. Automated sourcing and processing reduced expected labor costs by 70% annually. Speed for product ingestion improved by 65%, exceeding targets on a per/document basis.