

# Case study

## 60% less manual effort in data quality monitoring



How Crisil helped a leading North American bank automate alternative data quality monitoring, accelerate vendor issue resolution and free analysts for higher-value work.

### Background



A leading North American bank needed to improve the efficiency and reliability of monitoring monthly alternative data sourced from an external vendor.

The process was heavily manual, time-consuming, and prone to errors, with each analyst spending 4-5 days per month validating data.

The absence of an automated monitoring framework meant:

- No standardized thresholds for identifying anomalies across completeness, consistency, and accuracy
- Limited visibility into data quality issues and vendor performance
- Frequent bottlenecks that delayed downstream reporting and restricted focus on higher-value analytics

### Our solution



Crisil implemented a fully automated and intelligent data quality monitoring ecosystem designed to proactively detect issues and streamline workflows:

- **Intelligent Anomaly Detection:** Defined custom data quality parameters with historical threshold-based alerts to identify anomalies, ingestion issues, and unusual data shifts in real time
- **Accelerated Remediation:** Developed a dynamic data quality dashboard to systematically flag threshold breaches and highlight key issues, enabling timely detection and faster remediation
- **Automated Governance and Accountability:** Automated the generation and distribution of data quality reports while identifying recurring vendor issues to support proactive escalation and greater accountability

### Impact



**60% reduction in manual effort**, cutting validation time from 4-5 days to 1-2 days per analyst

**70+ hours/month freed up** for high-value analytical work

**50% faster vendor issue resolution**, accelerating remediation cycles

**40% reduction in downstream data corrections** due to early anomaly detection

**30% improvement in reporting accuracy**, enabling more confident business decisions

### About Crisil Integral IQ (formerly Global Research & Risk Solutions)

Crisil Integral IQ delivers solutions and actionable intelligence to top financial institutions, driving strategic transformation, risk optimization, and operational excellence. Our offerings across research, risk, lending, analytics and operations have empowered clients to navigate complex markets, mitigate risks and unlock new opportunities. Our domain expertise, innovative solutions, future-ready technologies such as AI and data science give clients the confidence to accelerate growth and achieve sustainable competitive advantage. Our globally diverse workforce operates in the Americas, Asia-Pacific, Europe, Australia and the Middle East.

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Large and highly respected firms partner with us for the most reliable opinions on risk in India, and for uncovering powerful insights and turning risks into opportunities globally. We are integral to multiplying their opportunities and success.

Headquartered in India, Crisil is majority owned by S&P Global.

Founded in 1987 as India's first credit rating agency, our expertise today extends across businesses: Crisil Ratings, Crisil Intelligence, Crisil Coalition Greenwich and Crisil Integral IQ.

Crisil's global workforce operates in the Americas, Asia-Pacific, Europe, Australia and the Middle East, setting the standards by which industries are measured.

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