



Data Governance & Assurance

Drawing on decades of experience in digital strategy, software quality and ICT risk mitigation, KJR offer a range of data governance and assurance services to support organisations undertaking large data-centred projects.

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The quality your organisation's data is fundamental to the efficiency of day to day operations and your long-term success.

Forrester Research estimates only 8% of organisations are fully leveraging the data that they have on hand, while IDC estimates organisations with immature data practices are taking a 30% hit on productivity because their data is either unavailable or untrustworthy for decision making.

With Machine Learning rapidly becoming a focus for fine tuning both customer experience and business efficiency, the quality of data within your organisation is key.

Managing privacy and security risks around your data equally critical, with the average cost of a data breach estimated to be \$3.9M.

Data Quality Assurance

- Data validation
- Data anomaly detection
- Data labelling/annotation
- Evaluation of analytics and reporting

DataOps

- Automated assurance of extract, transform & load processes
- Integrated data pipelines
- Data access monitoring & auditing
- Log aggregation & analytics

Data Governance

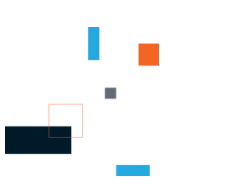
- Access control
- Deidentification & privacy controls
- Ethics and governance frameworks



During data acquisition, we support clients in assuring the overall quality of the data entering their chosen data platform. We use a range of manual and automated techniques to validate data during ingestion, detect anomalies, and also provide basic primary categorisation and annotation, leveraging a combination of heuristics, human labeling and machine learning.

These processes can be automated and scaled up to provide ongoing DataOps services that bring efficiency to continuous data engineering efforts and support the routine monitoring of data quality and the necessary audit trails to support good data governance.

Across the whole of the data lifecycle, KJR are able to support the necessary governance processes to ensure appropriate access controls are in place, that data is suitably encrypted in transit and at rest, and meets a variety of compliance regulations, with a particular emphasis on privacy controls, data de-identification and the establishment of ethics and governance frameworks.



**ASSURING DIGITAL
SUCCESS SINCE 1997**

Data Quality

KJR has provided assurance services for a state government health department undertaking data migration to a new surgery scheduling system. The safety critical nature of the system required that a robust testing process was followed to ensure that the data migration was both complete and accurate. KJR reviewed the quality assurance plan prior to migration and the results of the migration in order to assure that quality targets were met.

Data Governance

KJR is a key partner in the establishment of a secure health data sharing platform. Within this project, KJR is providing:

- assurance of automated data de-identification processes
- design and implementation of the secure access authorisation processes
- design of monitoring processes for data access controls (manual and automated)
- overall platform governance processes.

DataOps

A federal government department established a dedicated data analytics branch to enhance the use of data and evidence in policy development and decision making. KJR provided a range of data quality and data governance services, including test automation and production data quality monitoring. KJR was able to increase the coverage of data quality monitoring from 5% to 80% as part of the overall DevOps delivery process. A key focus of KJR's work was in establishing automated processes for checking data quality as part of the general data transformation stage.