

KPI based Data Quality Monitoring Tool



Data quality monitoring at large volumes



Opportunity

In growing number of organizations, the lack of data quality assurance is becoming a huge concern. Any inconsistency in data may end up degrading the overall 'trust' in the KPIs. In addition, the lack of trust may result in silos within each department of the organization.



Solution Description

- An Online Data Quality Monitoring Tool learns patterns of each individual data feed and forecasts the expected behaviour on a daily basis.
- The model handles yearly, monthly and/or weekly seasonality in the data (non-stationary processes) and learns to predict under multiple seasonality's and non-linear behaviours.
- The analytics feeds the model outputs into a web tool, which monitors all the business metrics in real-time. Identified data owners receive notifications of discrepancy in the data feed.
- When any data feed's behaviour significantly deviates from the expected behaviour, the particular employee and his/her supervisor is notified.



Key Benefits

- Better insights for different groups within the company (including accounting, FP&A, Financial Analytics)
- Support the management in day-to-day decisions
- Enhanced KPI set-up/fine tuning



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