Ensuring regulatory compliance across transactions and bank customers is a lengthy and complex, yet imperative, process for any bank to build safety, trust, and reputation in the market. For our client, this process typically involves manual reviews of all the transactions and large amounts of complex information about customers from many different data sources by fraud analysts, relation managers, and the compliance team. However, manual reviews are often unable to detect prevalent patterns of fraud and stay up-to-date with customers' activities.

Thus, the integration of AI in our client's workflows could not only significantly cut time and monetary expenditure, but also eliminate room for human error and improve accuracy of the overall process.

As such, we developed a Machine Learning (ML) solution which could transparently and automatically:

- **Detect and flag transaction anomalies** with respect to customer's activities and specific rules set by our client
- **Run checks of prospective and existing bank clients** across external and internal databases on a daily basis

The solution automatically analyzes transactions based on client behaviour, location, and buying habits. When a transaction contradicts established spending patterns and custom rules, it is flagged and reviewed manually by our clients' team, if need be. This ensures greater security for customers while leaving sufficient freedom for their transactions. The solution also efficiently and rapidly runs background checks on prospective or existing customers on different databases, combining information such as name, origin, activity, and keywords outlined by our clients to ensure compliance with regulations. This end-to-end system is fully transparent and explainable. Each flagged transaction is associated with the cause and specific rules that led to the flagging, while each flagged customer is accompanied by the keyword and information which was considered compromising and from which database.

**IMPACT**

**Compliance**
Improved ability to comply with regulations

**Efficiency**
Increased speed and accuracy of tasks

**Workforce**
Increased time to work on strategic tasks

Want to know more? Contact us at contact@visium.ch or visit www.visium.ch