Case Description

DataWalk supports analysts of the Kooperativa anti-fraud office in the areas of claims fraud scoring, identification of new anti-fraud schemes, investigations and usage of link analysis (graph analysis). The DataWalk scoring engine utilizes a combination of the best-of-breed techniques of the modern world of analytics by combining machine learning models, natural language processing (NLP), advanced expert rules and graph algorithms (i.e., Social Network Analysis) as well as other facilities to identify anomalies and trends. This allows Kooperativa to eliminate fraud attempts with great efficiency. In addition, DataWalk's built-in investigative analytics significantly accelerates the detailed analysis of cases and gathers all pieces of digital evidence.

DataWalk enables Kooperativa to detect new fraud patterns via DataWalk's *"Fraud Of Tomorrow"* facility based on trend analysis, text analysis, and analysis of data from the Internet. Kooperativa took into account many well-known international solutions, but concluded that only the DataWalk platform met all requirements in one tool, while being an open and flexible system for analysts.

Figures of Merit

Acceptance Rate (number of claims flagged as suspicious by DataWalk that were then confirmed by analysts to indeed be suspicious): above 70%.

"DataWalk delivers breakthrough results for accurately detecting suspicious claims!"

Zdenek Machacek, Director of Security

Customer description

Kooperativa is the second-largest general-purpose insurance company in the Czech Republic (22.3% market share, >2 million customers) with the long-standing support of the Vienna Insurance Group. Kooperativa offers a complete range of insurance products and services for all clients, from individual insurance policies to insurance for small and large enterprises.

System details

There are currently 35 concurrent users, including power users and analysts, and 2TB of database capacity.

Project realization time frame:

Analysis Phase: October - December 2019
Implementation Phase: January - October 2020

Project supported and implemented by Corpus Solutions, A DataWalk partner in the Czech Republic.