C5 FINANCIAL ANALYTICS

PRODUCT FEATURE

The Future of Financial Analysis

Overview

Financial analysis is the process of evaluating businesses, projects, budgets and individuals to determine their performance and suitability. Typically, financial analysis is used to analyze whether an entity is stable, solvent, liquid or profitable enough to warrant a monetary investment. When looking at a specific company or a Person of Interest, a financial officer conducts analysis by focusing on the income statement, balance sheet, and cash flow statement.

In today's highly competitive business environment, financial officers need more from Finance than accurate financial statements and reports. They need forward-looking, predictive insights that can help detect fraudulent activity and improve decision-making in real time.

A financial investigation is analysis of where money comes from, how it flows and how it is used. Financial Investigations or Financial Analytics can reveal:

• Financial fraud
• Banking fraud
• Tax evasion
• Public corruption
• Terrorist financing and
• Illegal activity

C5 Financial Analytics is a customized tool to gather actionable intelligence from a variety of bank statements, collected from various banks. The application helps financial Investigating Officers to identify suspicious transactions based on user defined criteria.

It begins with data acquisition in the form of bank statements in all the accepted file formats. The application then creates an analysis report based on the imported data. From the analysis dashboard the financial Investigating Officer is presented with visually sound data that is helpful in quickly determining the gravity of the case. The analysis can also display variety of Analysis Patterns and commands, Categorizing, filtering and summarizing the data. We've also incorporated **layering of data**, i.e. First the application extracts data from the bank statement, next the data from **second layer** like **NEFT, RTGS, Foreign Outward and Inward Remittance** and the **third layer** like user inputs make up the analysis.

Data Acqusition

Getting started with an analysis has never been simpler, with our intelligent data acquisition module, you can browse and save almost all formats of bank statements. The ETL methodology implemented is exceptionally advanced processing descriptions, beneficiaries, reference number such as UTR etc. and mode of the transaction without sacrificing on performance and able to maintain accuracy throughout the data sets.

Analysis

One of the fundamental characteristics of the C5 Financial Analystics are its analysis reports. Analysis of the imported bank data generates automatically, to provide the Investigating Officer an overview of the person of interest. Key aspects such as Total debit and credit, cumulative credit and debit summaries, foreign inward and outward, high debit and credit transactions get dedicated visual representations within the dashboard. Furthermore, the Investigating Officer can pick and choose the desired type of analysis he/she wants to pursue further, to narrow down the data and zero in on the suspect.
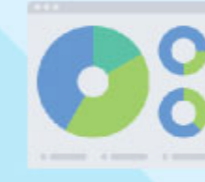
Dashboard

The panel which becomes the main area for user interaction, with it's intuitive UI, all the relevant data that an IO needs is made available at a glance. Improving the odds of understanding the nature of each individual's financial activity. Data is represented in standard charts and graphs for every analysis.

Key Analytical Aspects

Flow of Funds

An IO can understand where and how the funds are generated and how they are being routed till their destination account.

Money Trail

Analyze a particular trail of transactions between individuals, organizations etc.

Money Rotation

Understand where and how the same money is being circulated amongst individuals.

We developed this application to assist the financial investigating officer in achieving their investigative goals. The application is peppered with key analysis options namely, **high value debit** or **high value credit** transactions, **Common elements** between **multiple bank accounts**, **Pivot data** or **break-up reports** etc.

We've also designed C5 Financial Analytics to learn and grow with time. The application learns from the statement import formats and the next time a similar pattern is found the application already knows how to extract the data without user intervention. **Fuzzy grouping** of similar Beneficiaries/Names has been developed using **algorithms**, so Investigating Officers can save time and easily identify and understand the data.

Special attention has been given to **FEMA (Foreign Exchange Management Act)** transactions and **PMLA (Prevention of Money Laundering Act)**, within the application assisting the Investigating Officer in examining the fund flow.

There is a lot more to unpack in the application:

Frequency Analysis
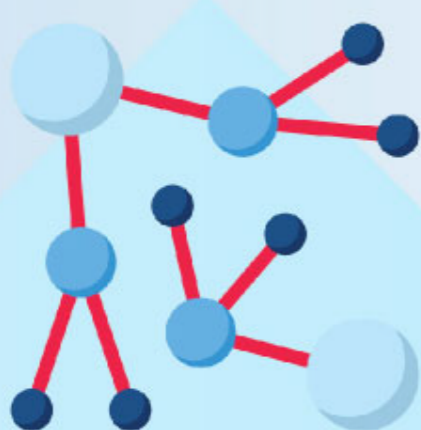
Data Visualization

Categorization of Data

Printable Reports

To know more or to see a demo please feel free to get in touch with us.

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e-SOLUTIONS

Prosoft House, Bel Heights 303-304, Annapurnwadi, Azam Nagar, Belagavi-590010, Karnataka, India.

www.prosoftesolutions.com
sales@prosoftesolutions.com

/ProsofteSolutions

/prosoft-e-solutions-india-pvt-ltd

+91-9743-577-121