

# HM Revenue & Customs

Her Majesty's Revenue and Customs (HMRC) is a non-ministerial department of the UK Government—responsible for tax collection, some forms of state support, and administering regulations such as national minimum wage.



## Key Challenges

- Dealing with significant tax evasion and fraud—with the scale of criminal activity continuing to grow.
- Delivering major ROI to the UK government, which allocated 917 million GBP in expectation of 7 billion GBP in additional tax revenues.
- Bringing together internal and external data sources to reveal hidden relationships—as part of faster identification of criminal networks and tax fraud.
- Putting analytics to work where they can make the biggest difference—in the hands of analysts, tax professionals and investigators working in collaboration.

“You soon realize you have a highly complex kaleidoscope of data, and how interlinked everything is. We have our traditional business rules and predictive analysis models, our watch lists, and we also exploit network analysis. And we bring in the all-important human factor—to see patterns that are intuitive and then find ways to convert them into bulk analytics, so they can be used by investigators.”

**Bill Cockerill**

Data Analyst

## How SAS® supported the process



## Results

- With help from SAS, HMRC revolutionized the way it collects and analyzes data. As a result, the department was able to locate billions in additional tax revenue.
- Other benefits include the ability to limit false positive results and avoid wasted interventions, and to analyze data tables with billions of rows.
- The outcome of changing HMRC's analytics culture is the ability to work faster and smarter, improve detection rates, and identify new ways to deter fraud and improper payments.

Powered by

**SAS® Fraud & Security Intelligence**