Paper 352-2009

## Fraud Detection in Social Services Data Using SAS®

Jim Georges, SAS Institute Inc. Sanjay Arangala, SAS Institute Inc. Jin-Whan Jung, SAS Institute Inc. Jay King, SAS Institute Inc. John Brocklebank, SAS Institute Inc.

## **ABSTRACT**

This paper describes a data-driven fraud detection analysis effort for social services data using SAS®. Overall, the approach was supported by three analysis legs: exceptions reporting based on domain knowledge, predictive modeling using historic fraud allegations, and network analysis leveraging available linking information. While created independently, it was found that each analysis leg supported the other.

No paper was submitted for publication in the *Proceedings*. Check <a href="http://support.sas.com/rnd/papers/">http://support.sas.com/rnd/papers/</a> or contact the author.

## **CONTACT INFORMATION**

Jim Georges SAS Institute Inc. jim.georges@sas.com

SAS and all other SAS Institute Inc. product or service names are registered trademarks or trademarks of SAS Institute Inc. in the USA and other countries. ® indicates USA registration.

Other brand and product names are trademarks of their respective companies.