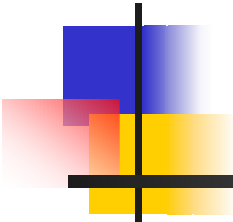


Statistics Canada's new software to better understand and measure the impact of nonresponse and imputation



E. Rancourt, J.-F. Beaumont, D. Haziza, C. Mitchell



GENESIS

GENEralized SImulation System

- Evaluation tool to simulate strategies
- GENESIS tries to replicate steps
 - Sample design
 - Nonresponse
 - Imputation
 - Processing classes
 - Estimation



SEVANI

**System for Estimation of the Variance
due to Nonresponse and Imputation**

- Evaluation tool to monitor Imputation
- Assumption: Nonresponse represents an additional sampling phase
- SEVANI handles both unit and item nonresponse



Relation with other processes

- Evaluation tools depend on imputation
 - Microdata and Metadata
- Monitoring helps to improve imputation
- Tools help to better allocate resources