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Title: Anticipating edit & imputation needs in light of Statistics Canada’s modernization initiative

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Abstract:

Under the modernization framework at Statistics Canada, the methodology branch must research, develop, implement and support the use of innovative solutions to current and emerging statistical problems. As many surveys at Statistics Canada rely on the use of one or more Generalized Systems – in-house software developed to perform statistical and survey-related functions – it is necessary to review the suitability of these systems in light of the modernization initiative. In particular, we must anticipate future needs, research suitable solutions, and implement them in a timely fashion.

We will discuss the challenges associated with this endeavour with regards to BANFF and CANCEIS, the Generalized Systems responsible for data editing and imputation. In particular, we will present two current research initiatives: a cross-validation method for evaluating imputation models, and modifications to our existing error-localization methods.