

United Nations Statistical Commission

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Item 3 (j) of the provisional agenda

Items for discussion and decision: big data

Document E/CN.3/2021/14 – Report of the Global Working Group on Big Data for Official Statistics

Statement provided by:

INEC Ecuador

Statement:

The INEC from the 2014 through the Direction of Administrative Registers began to collect data from administrative sources of government institutions, regarding that it was an increasing volume of information that should be collected and processed to its use with statistical purposes. One of the challenges to this Direction was to process a big volume of data with time of answer very considerable, for this reason began the investigation and after the implementation of an environment of transformation that support big volume of information. For this we used tools of Big Data in several environments of testing and production at the data.

Also the Direction of Administrative Registers has obtained for the last year big products of interest such as: Methodologies to transformation of administrative registers applied at phases of processing in environment Big Data. These phases are based in the standard of the Model of Statistical Production GSBPM of the Economic Commission of the United Nations to Europe (UNECE).

In the 2020 the use of administrative registers has been of interest by the pandemic of COVID 19, regarding that this data do not need to be lifted in field like a traditional statistical operation (census and surveys). One of the main experiences was the support with administrative registers to surveys of employment and vital statistics.

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