



International
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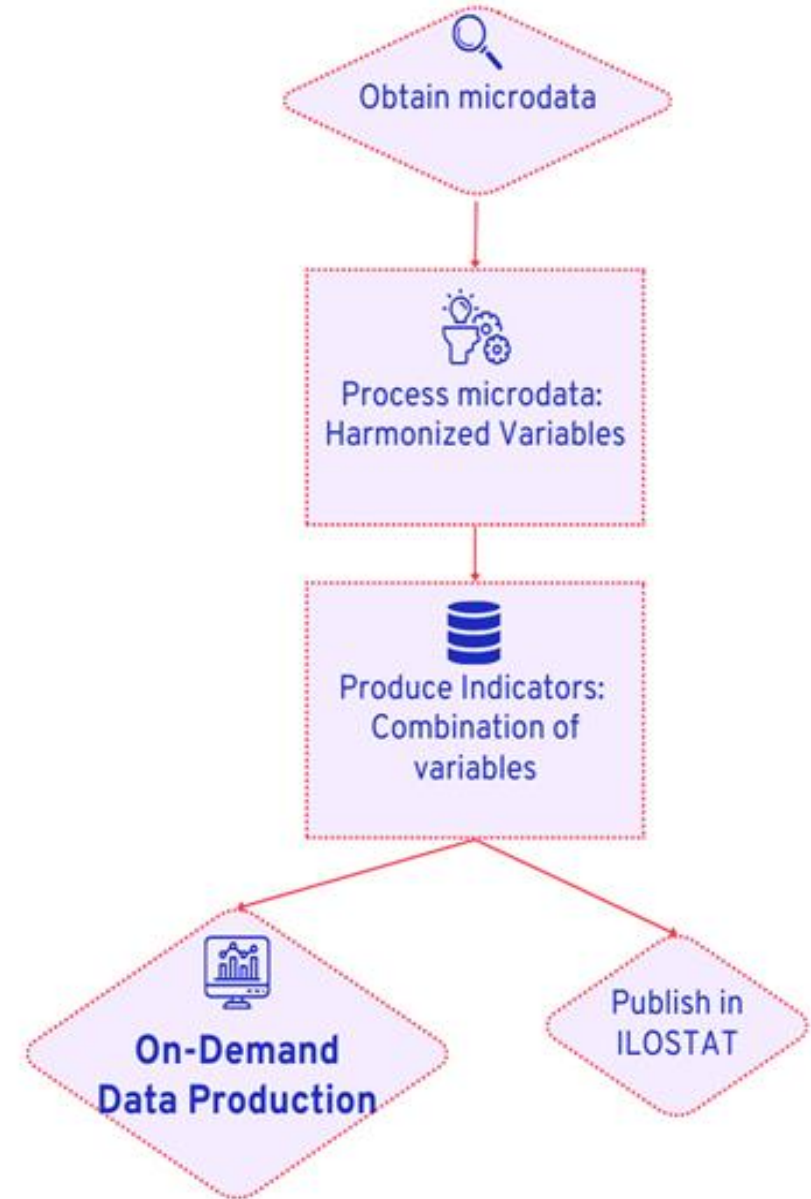


ICLS Report : 4.6 – Para. 222-224 On-Demand Data Production

Leveraging ILO Harmonized Microdata Collection for
Enhanced Analytical Outputs

Introduction to the service

- ▶ New On-Demand Service Initiated in 2019
- ▶ ILOSTAT a vast collection of country-level, regional and global indicators
 - still many other combinations possible*
- ▶ Uses the comprehensive ILO Harmonized Microdata collection
- ▶ Production of varied analytical outputs including data tabulations and cross-tabulations
- ▶ Initially available to ILO's internal Departments and later expanded to other UN agencies and any institutions for labour-related analytical work



▶ How does this service work?

- ▶ Operates on an R-based data production platform
- ▶ Capable of producing international databases rapidly from over 13,000 harmonized datasets
- ▶ Provides data encompassing around 100 variables included in the collection, which significantly broaden the number of potential indicators beyond ILOSTAT
- ▶ Rapid production: able to generate comparable international databases in a matter of hours
- ▶ Allows more time for data analysis than data processing

13'000+

Harmonized data sets as inputs

100+

Variables to be combined

► An illustration of a typical data production request

- Let's say you are interested in informal employment for **certain occupations in certain sectors**:
- For instance:
- The number of **informally** employed **cleaners and helpers** (ISCO-08 sub-major group 91) in the **food and beverage service activities** (ISIC Rev. 4 division 56), or...
- The number of **informally** employed **personal care workers** (ISCO-08 sub-major group 53) in the **Residential care activities** (ISIC Rev. 4 division 87)
- Generate a request for informal employment by ISCO-08 sub-major groups (2 digits) and ISIC Rev.4 divisions (2 digits).

Contributions and accomplishments

- ▶ Since its inception, approximately 200 requests have been fulfilled
- ▶ 50 the last five months
- ▶ Averages 20 distinct tabulations per request, covering a wide range of labour-related topics
- ▶ The service's data have been featured in renowned media outlets like The Economist and The Financial Times

- ▶ Some of the beneficiaries of this service:

ILO's Departments, FAO, OECD, UNCTAD, UNICEF, UN-Women, WHO, WB and other international organizations, and research institutions and universities

200+

Requests since 2019

20

Distinct tabulation on
average per request

▶ Continuously growing: data collections & services

- ▶ On-Request only: Now offering enriched data on Occupations (ISCO-08 at 3- or 4-digit level) and Sectors (ISIC Rev. 4 at 3- or 4-digit level), diving deep into detailed classifications
- ▶ Catering to the growing need for precise, localised, and global estimates across varied sectors and occupations.
- ▶ Development of new estimation techniques, even for regions with sparse data.
- ▶ Offering clearer and deeper insights into the diverse world of work.

▶ Enhancing data quality and methodological development

- ▶ The reviews post data production accelerate the detection of outliers and data quality issues
- ▶ Facilitates improved standardization across the ILO Harmonized Microdata collection and [ILOSTAT](#)
- ▶ Supports and informs the development of new methods on various topics like labour migration, informality, apprenticeships, skills mismatches, and the care economy
- ▶ Aids in understanding the impacts on estimates due to the adoption of the 19th and 20th ICLS standards

► **Thank you for your attention**

Any Question?

Please contact ilostat@ilo.org

