

# ▶ Producing high quality data for priority topics in the world of work

Yves Perardel, Department of Statistics, ILO

Date: 30 October 2023

## ▶ High quality data in the world of work

### Should respect 3 main principles :

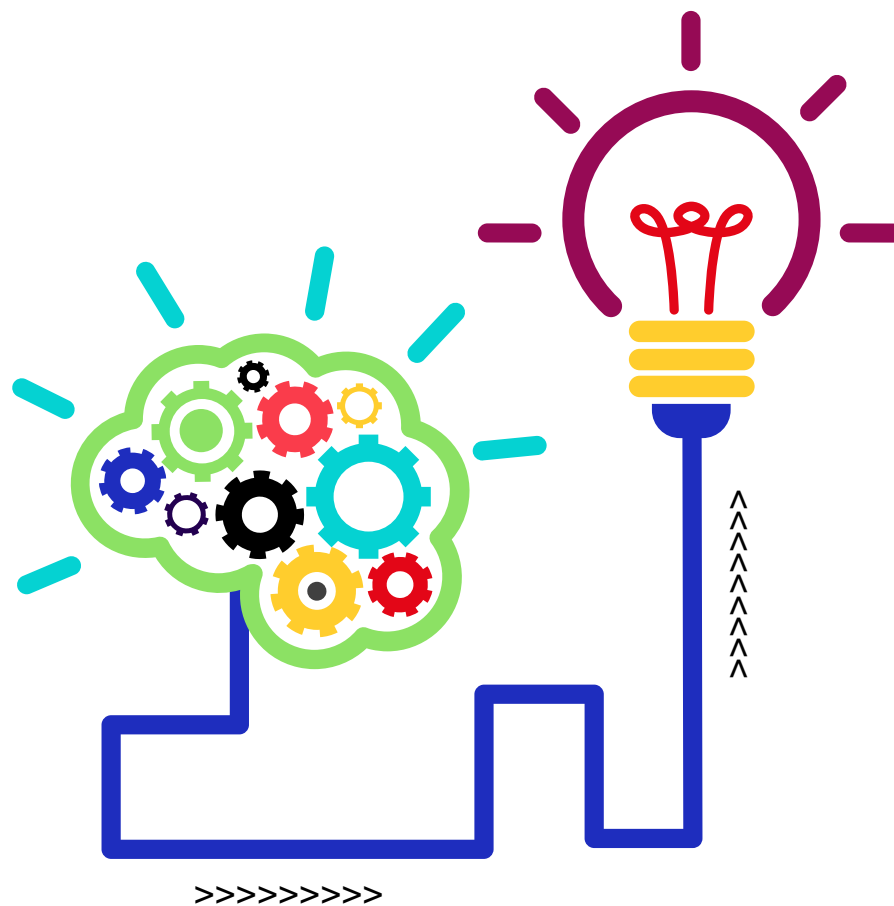
- ▶ Collected and disseminated in a timely manner
- ▶ Comparable across countries (i.e., adhere to international statistical standards)
- ▶ Covering all aspects of labour statistics (i.e., large number of indicators and large number of cross tabulations)

**One solution : working with ILO Member States LFS Microdata !**

## Benefits of microdata processing for LFS indicators

### The challenges

- ▶ Data gaps
- ▶ Lack of comparability
- ▶ Reporting burden
- ▶ Reporting mistakes
- ▶ Non-response



### The Solution

- ▶ More data
- ▶ Comparable
- ▶ Significantly reduced reporting burden
- ▶ Reduced reporting errors
- ▶ Highlights areas for technical assistance

# The process

Sample size	Dissemination
< 5	Not published
5-14	Published with a warning
≥ 15	Published with no remark

## Documentation

- Document deviations if international concepts cannot be applied
- Metadata documentation for ILO microdata repository

03

## Dissemination

- Publish results on ILOSTAT, including any caveats
- Publish metadata on ILO microdata repository; no files for external users

04

## Acquisition

- Obtain files online or establish agreement with NSO
- Store microdata files in ILO safe drive



01

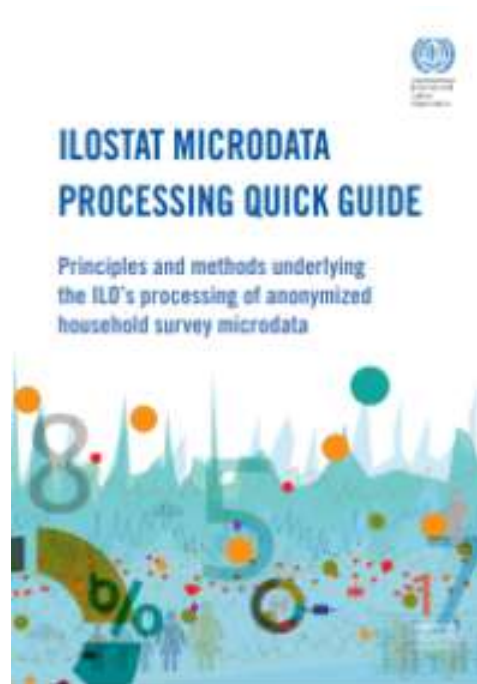
## Processing

- Map national to international concepts and classifications
- Run routine to derive variables
- Apply reliability compliance test
- Review/assess resulting figures

02

More information here :  
[https://www.ilo.org/wcmsp5/groups/public/---dgreports/--stat/documents/meetingdocument/wcms\\_895345.pdf](https://www.ilo.org/wcmsp5/groups/public/---dgreports/--stat/documents/meetingdocument/wcms_895345.pdf)

# The processing: Mapping in STATA



```

-----
*
*      Labour Force Status ('ilo_lfs')
*
-----
* Comment:
* Employment
gen ilo_lfs_emp=.
replace ilo_lfs_emp=1 if      & ilo_wap==1           // Person in Employment
replace ilo_lfs_emp=2 if      & ilo_wap==1           // Person not currently in employment but
replace ilo_lfs_emp=3 if ilo_lfs_emp==. & ilo_wap==1 // Person not in employment
lab def lfs_emp_lab 1 "In Employment" 2 "Temporary absent" 3 "Not in employment"
lab values ilo_lfs_emp lfs_emp_lab
lab var ilo_lfs_emp "Employment"

* Actively looking to work
gen ilo_lfs_notemp_activ=.
replace ilo_lfs_notemp_activ=1 if      & ilo_lfs_emp==3 & ilo_wap==1           // Not in employment
replace ilo_lfs_notemp_activ=2 if      & ilo_lfs_emp==3 & ilo_wap==1           // Not in employment
replace ilo_lfs_notemp_activ=3 if ilo_lfs_notemp_activ==. & ilo_lfs_emp==3 & ilo_wap==1 // Not stated
lab def lfs_notemp_activ_lab 1 "Actively looking to work" 2 "Not actively looking to work" 3 "Not stated"
lab values ilo_lfs_notemp_activ lfs_notemp_activ_lab
lab var ilo_lfs_notemp_activ "Looking to work"

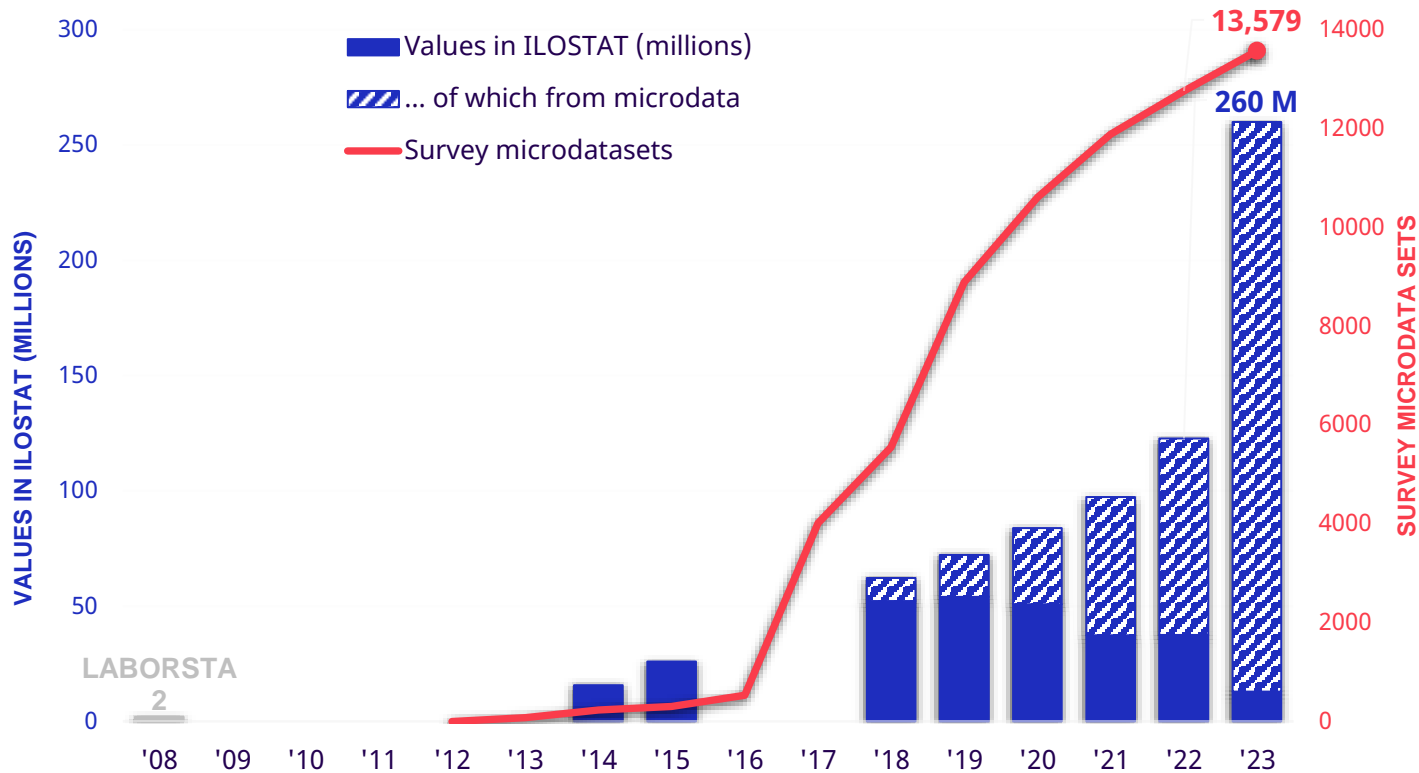
* Available to work
gen ilo_lfs_notemp_avail=.
replace ilo_lfs_notemp_avail=1 if      & ilo_lfs_emp==3 & ilo_wap==1           // Not in employment and available to work
replace ilo_lfs_notemp_avail=2 if      & ilo_lfs_emp==3 & ilo_wap==1           // Not in employment and not available to
replace ilo_lfs_notemp_avail=3 if ilo_lfs_notemp_avail==. & ilo_lfs_emp==3 & ilo_wap==1 // Not stated
lab def lfs_notemp_avail_lab 1 "Available to work" 2 "Not available to work" 3 "Not stated"
lab values ilo_lfs_notemp_avail lfs_notemp_avail_lab
lab var ilo_lfs_notemp_avail "Available to work"

* Future starters
gen ilo_lfs_notemp_futur=.
replace ilo_lfs_notemp_futur=1 if      & ilo_lfs_emp==3 & ilo_wap==1           // Future starters
lab def lfs_notemp_futur_lab 1 "Future starters"
lab values ilo_lfs_notemp_futur lfs_notemp_futur_lab
lab var ilo_lfs_notemp_futur "Future starters"

```

[https://www.ilo.org/wcmsp5/groups/public/---dgreports/---stat/documents/publication/wcms\\_590092.pdf](https://www.ilo.org/wcmsp5/groups/public/---dgreports/---stat/documents/publication/wcms_590092.pdf)  
[ilostat.ilo.org](http://ilostat.ilo.org)

## ▶ Data availability on ILOSTAT through microdata processing



- ▶ 13'579 LFS/HS microdata have been processed coming from 160 ILO Member States
- ▶ Among Arab States, microdata available from Iraq, Jordan, Lebanon, Saudi Arabia, State of Palestine, United Arab Emirates and Yemen

## ► Overcoming obstacles to accessing microdata for the remaining 27 Member States

### ILO practices

- The ILO only needs fully anonymized microdata
- Stored on drive with highest level of security

### Addressing technical barriers

- If the NSO is unfamiliar with this process, the ILO can assist to anonymize microdata
- Microdata can be shared in any format and through any type of transfer protocol. The ILO is ready to adapt to obtain data through the system the NSO is the most comfortable with
- If any other concerns, the ILO is happy to discuss and try to find a solution to any possible bottleneck



International  
Labour  
Organization

ILO/STAT/2023/Doc/26/Rev.1

#### ► Room document: 26

Unlocking the Power of Microdata: Enhancing  
International Comparability and Data  
Availability in ILOSTAT and Beyond



21<sup>st</sup> International Conference of Labour Statisticians  
Geneva, 11-23 October 2023

\* This document was not formally adopted

▶ **Thank you ! For any questions, feel free to contact us :**

**Generic ILOSTAT e-mail**

▶ [ilostat@ilo.org](mailto:ilostat@ilo.org)

**Direct contact**

▶ [perardel@ilo.org](mailto:perardel@ilo.org)