



International
Labour
Organization

Variable derivation guide

for

ILO Model LFS Questionnaires for PAPI (2024 Edition)

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INTRODUCTION

This guide describes how the ILO model LFS questionnaires for PAPI capture information to produce statistics on essential labour concepts (e.g. employment, unemployment, labour underutilization, status in employment, informal employment, informal sector, etc.) and how the relevant derived variables should be computed to be in line with the latest standards adopted by the International Conference of Labour Statisticians (19th, 20th and 21st ICLS). The guide is limited to key derived variables that require use of several model LFS questions to be computed. Many other variables should be produced for dissemination as part of the core set of labour force statistics.

Detailed information on how to measure and compute each derived variable is provided in this document following a step-by-step approach covering:

- **Basic international definition** as per the latest ICLS standards
- **Question mapping** of all relevant survey questions
- **Reference syntax** (pseudo codes) the derived variable

Following the modular approach of the ILO LFS model questionnaire, the guide makes reference to all modules as relevant. Users will need to adapt the syntax for the derivation of the key variables depending on the modules ultimately selected for national use. The step-by-step modular format facilitates this. For example, countries not including the AGF module (Agricultural Work and Market Orientation) will need to exclude this step when constructing the derived variable for “Employment”.

As illustration and to minimize ambiguity, the question mapping generally list more questions than may be ultimately used in the variable computation. This is because the mapping shows all the questions (and modules) used by the survey to measure a given concept while the actual variable computation may only require use of a few final questions in the sequence to determine the appropriate treatment.

Some particular points of note about the derivations include:

- The derivations are in line with the latest ICLS standards, in particular Resolutions I of the 19th, 20th and 21st ICLS 1 and other relevant guidelines and standards.
- Where explicit standards or operational guidelines do not exist, the derivations are based on current ILO recommendations or derivations used by the ILO when processing country micro-data for global dissemination.
- The derivations are meant as model illustrations only. They are based on the assumption that all core questions within the sequence are included. In other words, it is assumed that no questions have been excluded.
- No specific guidance is provided on the treatment of missing values or DON'T KNOW answers.
- Countries may wish to derive composite variables, such as an overall labour force status variable. The derivations indicated below can be adapted for that purpose.

Employed persons (Job-type start)

Definition	Persons of working age who, during a short reference period (seven days or one week), were engaged in any activity to produce goods or provide services in exchange for pay or to generate profit. For details see paragraphs 27-32 of the 19th ICLS Resolution I
Required questions	DEM_AGE, ATW_PAY, ATW_PFT, ATW_FAM, ABS_JOB, ABS_WHY, ABS_SEA, ABS_DUR, ABS_PAY, AGF_CHK, AGF_ANY, AGF_MKT, AGF_HIS, AGF_HIR
Variable derivation condition	- Employed at work: IF DEM_AGE >= N AND ATW_PAY=1 OR IF DEM_AGE >= N AND (ATW_PFT=1 OR ATW_FAM=1) AND (AGF_CHK_4=1 OR AGF_MKT=1,2 OR AGF_HIS=1,2 OR AGF_HIR=1) OR IF DEM_AGE >= N AND (AGF_ANY_1=1 OR AGF_ANY_2=1 OR AGF_ANY_3=1) AND (AGF_MKT=1,2 OR AGF_HIS=1,2 OR AGF_HIR=1) - Employed on temporary absence: IF DEM_AGE >= N AND ABS_JOB=1 AND ((ABS_WHY=2 & ABS_SEA=1) OR ABS_WHY=3,4,5,6 OR (ABS_WHY=7,8,9,10,11,12,13 AND (ABS_DUR=1 OR ABS_PAY=1))) AND (AGF_CHK_D=1 OR AGF_MKT=1,2 OR AGF_HIS=1,2 OR AGF_HIR=1) DEM_AGE>= N means that the person's age (see question DEM_AGE in the Household Roster) must be equal to or greater than the lower age limit set to define working age population at national level.

Employed persons (Agriculture work start)

Definition	Persons of working age who, during a short reference period (seven days or one week), were engaged in any activity to produce goods or provide services in exchange for pay or to generate profit. For details see paragraphs 27-32 of the 19th ICLS Resolution I
Required questions	DEM_AGE, AWD_ARD1, AGF_MKT, AGF_HIS, ATW_PAY, ATW_PFT, ATW_FAM, ABS_JOB, ABS_WHY, ABS_DUR, ABS_PAY
Variable derivation condition	- Employed at work: IF DEM_AGE>=N AND (AWD_ARD1_1=1 OR AWD_ARD1_2=1 OR AWD_ARD1_3=1 OR AWD_ARD1_4=1) AND (AGF_MKT=1,2 OR AGF_HIS=1,2) OR IF DEM_AGE>=N AND (ATW_PAY=1 OR ATW_PFT=1 OR ATW_FAM=1) - Employed on temporary absence: IF DEM_AGE>=N AND ATW_FAM=2 & (ABS_JOB=1 & (ABS_WHY=3,4,5,6 OR ABS_DUR=1 OR ABS_PAY=1)) DEM_AGE>=N means that the person's age (see question DEM_AGE in the Household Roster) must be equal to or greater than the lower age limit set to define working age population at national level.

Employed persons (Main activity start)

Definition	Persons of working age who, during a short reference period (seven days or one week), were engaged in any activity to produce goods or provide services in exchange for pay or to generate profit. For details see paragraphs 27-32 of the 19th ICLS Resolution I
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Required questions	MAC_1, MAC_2, AGF_MKT, AGF_HIS, ERC_1, ERC_2, ABS_WORK, ABS_JOB, ABS_WHY, ABS_DUR, ABS_PAY, ABS_SEA
Variable derivation condition	- Employed at work: IF DEM_AGE>=N AND MAC_1=1,3 AND ABS_JOB=1 OR IF DEM_AGE>=N AND (MAC_1=2,4,5,6,7,8,10 OR MAC_2=1) AND (AGF_MKT=1,2 OR AGF_HIS=1,2) OR IF DEM_AGE>=N AND (ERC_1=1 OR ERC_2=1) - Employed on temporary absence: IF DEM_AGE>=N AND ERC_2=2 AND ((ABS_WORK=2 OR ABS_JOB=1) AND (ABS_WHY=3,4,5,6 OR ABS_DUR=1 OR ABS_PAY=1 OR ABS_SEA=1)) DEM_AGE>=N means that the person's age (see question DEM_AGE in the Household Roster) must be equal to or greater than the lower age limit set to define working age population at national level.

ICSE-93 Status in employment: self-declared

Definition	Status in employment refers to the type of work relationship a person has in a job, taking into account the kind of economic risk and degree of authority that the person experiences in their job. Status in employment may be specified with reference to the main, second job or any previous job. The International Classification of Status in Employment adopted in 1993 (ICSE-93) defines six groups of employed persons. For details see the ICSE e-manual
Required questions	All questions needed to identify employed persons and MJJ_EMP_REL
Variable derivation condition	- Employee: IF MJJ_EMP_REL=1 - Self-employed: IF MJJ_EMP_REL=2 - Paid apprentice, intern: IF MJJ_EMP_REL=4 - Contributing family worker: IF MJJ_EMP_REL=3,5

ICSE-18 Status in employment

Definition	Compared to ICSE-93, the new classification, ICSE-18, comprises ten categories of Status of Employment. These categories can be organized according to the type of authority that the worker is able to exercise in relation to the work performed (ICSE-18-A); or type of economic risk the worker is exposed to (ICSE-18-A). Apart from providing more detail on the existing ICSE-93 categories, ICSE-18 also includes a new category 'Dependent Contractors', while the former category 'Members of Producer Cooperatives' is not identified in ICSE-18. For details see the ICSE e-manual
Required questions	All questions needed to identify employed persons and MJJ_REM_TYP, MJJ_CFW_CHK, MJJ_HIRES, MJL_CORP, MJD_SINGLE_CLIENT, MJD_SOURCE_CLIENT, MJD_SELL_CLIENT, MJD_CONTROL, MJL_REGI3, MIE_SOCPRO1, MIE_PVACL1, MIE_PSCKLV1, MJC_CONTRA, MJC_CONOP, MCD_CONTHRS, MJC_TEMPTOTAL, MCD_CONMIN, MJC_TEMPDUR

Employers	Independent workers who own the economic unit in which they work and control its activities on their own account or in partnership with others, and in this capacity regularly employ one or more employees. Employer: IF MJJ_EMP_REL=2 AND MJJ_HIRES=1 OR IF MJJ_EMP_REL=3 AND MJJ_CFW_CHK=1,2 AND MJJ_HIRES=1 - Employers in corporations: IF Classified as EMPLOYER AND MJL_CORP=1 - Employers in unincorporated market units: IF Classified as EMPLOYER AND (MJL_REGI3= 2,97 OR MJL_CORP=2,97)
Independent workers without employees	Independent workers who operate an economic unit, alone or in partnership with others, that does not employ any employees on a regular basis. - Owner-operators of corporations without employees: IF MJJ_EMP_REL=2 AND MJJ_HIRES=2 AND MJL_CORP=1,2,3,4,5 OR IF MJJ_EMP_REL=3 AND MJJ_CFW_CHK =1,2 AND MJJ_HIRES=2 AND MJL_CORP=1,2,3,4,5 - Own-account workers in household market enterprises without employees: IF MJJ_EMP_REL=2 AND MJJ_HIRES=2 AND (MJL_REGI3 = 2,97 OR MJL_CORP=6,97) AND (((MJD_SINGLE_CLIENT=1 OR MJD_SOURCE_CLIENT=1,2 OR MJD_SELL_CLIENT=1,2,3) AND MJD_CONTROL≠1,2,3,4,5,6) OR (MJD_SINGLE_CLIENT≠1 AND MJD_SOURCE_CLIENT≠1,2 AND MJD_SELL_CLIENT≠1,2,3)) OR IF (MJJ_EMP_REL=3 AND MJJ_CFW_CHK=1,2)) AND MJJ_HIRES=2 AND (MJL_REGI3=2,97 OR MJL_CORP=6,97) AND (((MJD_SINGLE_CLIENT=1 OR MJD_SOURCE_CLIENT=1,2 OR MJD_SELL_CLIENT=1,2,3) AND MJD_CONTROL≠1,2,3,4,5,6) OR (MJD_SINGLE_CLIENT≠1 AND MJD_SOURCE_CLIENT≠1,2 AND MJD_SELL_CLIENT≠1,2,3))
Dependent contractors	Workers who have contractual arrangements of a commercial nature to provide goods or services for or through another economic unit on which they are dependent for the organization and execution of the work, income or access to the market. - Self-declared self-employed worker: Operate an unincorporated market enterprise in which they do not regularly hire any employees and who show evidence of economic dependency on another unit. The existence of economic dependence is assessed on the basis of their answers to a question on “control over price-setting” IF MJJ_EMP_REL=2 AND MJJ_HIRES=2 AND (MJL_REGI3=2,97 OR MJL_CORP=6,97) AND (MJD_SINGLE_CLIENT=1 OR MJD_SOURCE_CLIENT=1,2 OR MJD_SELL_CLIENT=1,2,3) AND MJD_CONTROL=1,2,3,4,5,6 - Self-declared contributing family workers: Regularly involved in making decisions about the family business, who operate an

unincorporated market enterprise in which they do not regularly hire any employees and who show evidence of economic dependency on another unit. The existence of economic dependency is assessed on the basis of their answers to a question on “control over price-setting”

IF (MJJ_EMP_REL=3 AND MJJ_CFW_CHK =1,2 AND MJJ_HIRES=2 AND MJL_REGI3=2,97 OR MJL_CORP=6,97 AND (MJD_SINGLE_CLIENT=1 OR MJD_SOURCE_CLIENT=1,2 OR MJD_SELL_CLIENT=1,2,3)AND MJD_CONTROL=1,2,3,4,5,6

- Self-declared employee:

Do not receive a wage or salary and show evidence of having an agreement of a commercial nature. The existence of a commercial agreement is assessed on the basis of their answers to questions on “social security contribution by employer” and “responsibility for tax deduction”

IF MJJ_EMP_REL=1 AND MJJ_REM_TYP≠1 AND (MIE_SOCPRO1=2 OR (MIE_SOCPRO1=97 AND (MIE_PVACL1=2,97 OR MIE_PSKLV1=2,97)))

Employees

Workers employed for pay, on a formal or informal basis, who do not hold controlling ownership of the economic unit in which they are employed. They are remunerated in cash or in kind in return for time worked, or, in some cases, for each task or piece of work done or for services provided including sales (by the piece or commission).

Employee:

- **IF** (MJJ_EMP_REL=1,5 OR (MJJ_EMP_REL=3 AND MJJ_CFW_CHK=3,4)) AND MJJ_REM_TYP=1
- **OR IF** MJJ_EMP_REL=1 AND MJJ_REM_TYP≠1 AND (MIE_SOCPRO1=1 OR (MIE_SOCPRO1=97 AND MIE_PVACL1=1 AND MIE_PSKLV1=1))
- **OR IF** MJJ_EMP_REL=4

Permanent employee:

- **IF** CLASSIFIED AS EMPLOYEE AND MJJ_EMP_REL≠4 AND MJC_CONTRA=1 AND MJC_CONOP=3,4 AND MCD_CONTHRS=1
- **OR IF** CLASSIFIED AS EMPLOYEE AND MJJ_EMP_REL≠4 AND MJC_CONTRA=1 AND MJC_CONOP=3,4 AND MCD_CONTHRS=2 AND MCD_CONMIN=1,2
- **OR IF** CLASSIFIED AS EMPLOYEE AND MJJ_EMP_REL≠4 AND MJC_CONTRA=2 AND MJC_CONOP=3 AND MCD_CONTHRS=1
- **OR IF** CLASSIFIED AS EMPLOYEE AND MJJ_EMP_REL≠4 AND MJC_CONTRA=2 AND MJC_CONOP=3 AND MCD_CONTHRS=2 AND MCD_CONMIN=1,2
- **OR IF** CLASSIFIED AS EMPLOYEE AND MJJ_EMP_REL≠4 AND MJC_CONTRA=2 AND MJC_CONOP=4,97 AND MJC_TEMPTOTAL=6 AND MCD_CONTHRS=1
- **OR IF** CLASSIFIED AS EMPLOYEE AND MJJ_EMP_REL ≠ 4 AND MJC_CONTRA=2 AND MJC_CONOP=4,97 AND MJC_TEMPTOTAL=6 AND MCD_CONTHRS=2 AND MCD_CONMIN=1,2
- **OR IF** CLASSIFIED AS EMPLOYEE AND MJJ_EMP_REL≠4 AND MJC_CONTRA=97 AND MJC_TEMPTOTAL=6

Fixed-term employee:

- **IF** CLASSIFIED AS EMPLOYEE AND MJJ_EMP_REL≠4 AND MJC_CONTRA=1,2 AND MJC_CONOP=1,2 AND MJC_TEMPDUR=4,5,6,7 AND MCD_CONTHRS=1

	• OR IF CLASSIFIED AS EMPLOYEE AND MJJ_EMP_REL≠4 AND MJC_CONTRA=1,2 AND MJC_CONOP=1,2 AND MJC_TEMPDUR=4,5,6,7 AND MCD_CONTHRS=2 AND MCD_CONMIN=1,2 • OR IF CLASSIFIED AS EMPLOYEE AND MJJ_EMP_REL≠4 AND MJC_CONTRA=2 AND MJC_CONOP=4,97 AND MJC_TEMPTOTAL=4,5 AND MCD_CONTHRS=1 • OR IF CLASSIFIED AS EMPLOYEE AND MJJ_EMP_REL≠4 AND MJC_CONTRA=2 AND MJC_CONOP=4,97 AND MJC_TEMPTOTAL=4,5 AND MCD_CONTHRS=2 AND MCD_CONMIN=1,2 • OR IF CLASSIFIED AS EMPLOYEE AND MJJ_EMP_REL≠4 AND MJC_CONTRA=97 AND MJC_TEMPTOTAL=4,5 Short-term and casual employee: • IF CLASSIFIED AS EMPLOYEE AND MJJ_EMP_REL≠4 AND MJC_CONTRA=1 AND MJC_CONOP=3,4,97 AND MCD_CONTHRS=2 AND MCD_CONMIN=3 • OR IF CLASSIFIED AS EMPLOYEE AND MJJ_EMP_REL ≠ 4 AND MJC_CONTRA=1,2 AND MJC_CONOP=1,2 AND MJC_TEMPDUR=1,2,3 • OR IF CLASSIFIED AS EMPLOYEE AND MJJ_EMP_REL≠4 AND MJC_CONTRA=1,2 AND MJC_CONOP=1,2 AND MJC_TEMPDUR=4,5,6,7,8 AND MCD_CONTHRS=2 AND MCD_CONMIN=3 • OR IF CLASSIFIED AS EMPLOYEE AND MJJ_EMP_REL≠4 AND MJC_CONTRA=2 AND MJC_CONOP=3 AND MCD_CONTHRS=2 AND MCD_CONMIN=3 • OR IF CLASSIFIED AS EMPLOYEE AND MJJ_EMP_REL≠4 AND MJC_CONTRA=2 AND MJC_CONOP=4,97 AND MJC_TEMPTOTAL=4,5 AND MCD_CONTHRS=2 AND MCD_CONMIN=3 • OR IF CLASSIFIED AS EMPLOYEE AND MJJ_EMP_REL≠4 AND MJC_CONTRA=2 AND MJC_CONOP=4,97 AND MJC_TEMPTOTAL=1,2,3 • OR IF CLASSIFIED AS EMPLOYEE AND MJJ_EMP_REL≠4 AND MJC_CONTRA=97 AND MJC_TEMPTOTAL=1,2,3
Paid apprentices, trainees and interns	Employees who work for pay in an economic unit in order to acquire workplace experience or skills in a trade or profession. Paid apprentices, trainees and interns: IF CLASSIFIED AS EMPLOYEE AND MJJ_EMP_REL=4
Contributing family workers	Workers who help, without receiving regular pay, in a job or market oriented enterprise held or operated by a household or family member. Contributing family worker: IF (MJJ_EMP_REL= 3 AND MJJ_CFW_CHK=3,4) AND MJJ_REM_TYP≠1 OR IF MJJ_EMP_REL=5 AND MJJ_REM_TYP≠1
Independent workers in household market enterprises	Workers who operate an unincorporated household market enterprise, alone or with one or more partners or contributing family workers. Independent worker in household market enterprises: IF (CLASSIFIED AS EMPLOYERS IN HOUSEHOLD MARKET ENTERPRISES OR CLASSIFIED AS OWN-ACCOUNT WORKERS IN HOUSEHOLD MARKET ENTERPRISES WITHOUT EMPLOYEES)
Owner-operators of corporations	Workers who hold a job in an incorporated enterprise in which they hold controlling ownership of the enterprise, alone or together with one or more partners and/or with

family members.

Owner-operator of corporation:

IF (CLASSIFIED AS EMPLOYERS IN CORPORATIONS OR OWNER-OPERATORS OF CORPORATIONS WITHOUT EMPLOYEES)

Institutional sector of employment

Definition

The kind of economic unit in which the person is employed, as defined by its legal organisation, principal functions, behaviour and objectives. It is a characteristic of the economic unit in which the person is employed and may thus be specified with respect to the main or second job.

- Public sector: Refers to all government institutions or state-owned enterprises (i.e. with ownership of 50% or more by the State), including government-controlled non-profit institutions
- Private sector: Refers to incorporated and unincorporated market enterprises (i.e. economic units set up for purposes of engaging in market production, capable of generating profit or other financial gain for their owners)
- Non-profit sector: Refers to non-profit institutions that provide their services or products to households or the community at large (excluding government-controlled non-profit institutions)
- Household sector: Refers to private households as employers of domestic workers only
- International institutions: Refers to public institutions but owned by foreign or international institutions such as foreign embassies, etc.

These categories do not fully align with the institutional units as defined in the System of National Accounts (2008). The categories can nevertheless be mapped to the corresponding institutional units as per the SNA 2008. For this, additional information is needed to separately distinguish between corporations and unincorporated market enterprises. The latter group (unincorporated market enterprises –excluding quasi-corporations) is treated by the SNA 2008 as part of the Household sector. For details see [chapter 4 of the System of National Accounts 2008](#)

Required questions

All questions needed to identify employed persons and MJJ_EMP_REL, MJU_INS

Variable derivation condition

- Private sector:
IF (MJJ_EMP_REL = 2,3) OR (MJJ_EMP_REL = 1,4,5 AND MJU_INS = 2,3)
- Public sector:
IF MJJ_EMP_REL = 1,4,5 AND MJU_INS = 1
- Households:
IF MJJ_EMP_REL = 1,4,5 AND MJU_INS = 4
- Non-profit institutions:
IF MJJ_EMP_REL = 1,4,5 AND MJU_INS = 5
- International institutions:
IF MJJ_EMP_REL = 1,4,5 AND MJU_INS = 6

Formal status of the economic unit

Definition

All economic units can be categorized in respectively the formal sector, informal sector and household sector depending on their formal status and intended destination of the production.

	• Economic units in the formal sector: Comprises of economic units with a formal status. Includes government units, public sector units and formal NGOs as well as private enterprises and farms that are for example registered in the national business register • Economic units in the informal sector: consists of economic units that are not formal recognized through for example registration but are producing for the market with the intention to generate income and profit • Households sector: Households that produce for own final use and for example engages employees For details see the 21st ICLS resolution
Required questions	All questions needed to identify employed persons, status in employment and MJU_INS, MIE_SOCPRO2, MIE_PVACLV2, MIE_PSCKLV2, MJL_REGP1, MJL_REGP2, MJL_REGI1, MJL_REGI2, MJL_REGI3, MIS_BOOK_TYP1, MIS_BOOK_TYP2, MIS_BOOK_TYP3
Variable derivation condition	Employed in the formal sector: • IF EMPLOYER AND (MJL_REGI3=1 OR MIS_BOOK_TYP3=1,2) OR IF INDEPENDENT WORKER WITHOUT EMPLOYEES AND (MJL_REGI3=1 OR MIS_BOOK_TYP3=1,2) OR IF CONTRIBUTING FAMILY WORKER AND MJJ_EMP_REL=3 AND (MJL_REGI3=1 OR MIS_BOOK_TYP3=1,2) OR IF DEPENDENT CONTRACTOR AND MJJ_EMP_REL=1 AND MJL_REGP2=1 OR IF DEPENDENT CONTRACTOR AND MJJ_EMP_REL=2,3 AND (MJL_REGI3=1 OR MJL_REGP1=1 OR MIS_BOOK_TYP3=1) OR IF EMPLOYEE AND MJU_INS=1,5,6 OR IF EMPLOYEE AND MJU_INS=2,3 AND (MIE_SOCPRO1=1 OR MIE_SOCPRO2=1) OR IF EMPLOYEE AND MJU_INS=2,3 AND ((MIE_SOCPRO1=97 AND MIE_PVACLV1=1 AND MIE_PSCKLV1=1) OR (MIE_SOCPRO2=97 AND MIE_PVACLV2=1 AND MIE_PSCKLV2=1)) OR IF EMPLOYEE AND MJU_INS=2,3 AND MIE_SOCPRO2=2 AND ((MJL_REGI1=1 OR MIS_BOOK_TYP1=1,2) OR (MJL_REGI2=1 OR MIS_BOOK_TYP2=1,2)) OR IF EMPLOYEE AND MJU_INS=2,3 AND (MIE_SOCPRO2=97 AND (MIE_PVACLV2=2,97 OR MIE_PSCKLV2=2,97)) AND (MJL_REGI2=1 OR MIS_BOOK_TYP2=1) OR IF EMPLOYEE AND MJU_INS=2,3 AND (MIE_SOCPRO1=97 AND (MIE_PVACLV1=2,97 OR MIE_PSCKLV1=2,97)) AND (MJL_REGI1=1 OR MIS_BOOK_TYP1=1) Employed in the informal sector: • IF EMPLOYER AND (MJL_REGI3=2,97 OR MIS_BOOK_TYP3=3,4,5,97) OR IF INDEPENDENT WORKER WITHOUT EMPLOYEES AND (MJL_REGI3=2,97 OR MIS_BOOK_TYP3=3,4,5,97) OR IF CONTRIBUTING FAMILY WORKER AND MJJ_EMP_REL=3 AND (MJL_REGI3=2,97 OR MIS_BOOK_TYP3=3,4,5,97) OR IF CONTRIBUTING FAMILY WORKER AND MJJ_EMP_REL=5 OR IF DEPENDENT CONTRACTOR AND MJJ_EMP_REL=1 AND MJL_REGP2=2,97 OR IF DEPENDENT CONTRACTOR AND MJJ_EMP_REL=2,3 AND (MJL_REGI3=2,97 OR MJL_REGP1=2,97 OR MIS_BOOK_TYP3=3,4,5,97) OR IF EMPLOYEE AND MJU_INS=2,3 AND MIE_SOCPRO2=2 AND MJL_REGI2=2,97 AND MIS_BOOK_TYP2=3,4,5,97) OR IF EMPLOYEE AND MJU_INS=2,3 AND MIE_SOCPRO1=2 AND MJL_REGI1=2,97 AND MIS_BOOK_TYP1=3,4,5,97) OR IF EMPLOYEE AND MJU_INS=2,3 AND (MIE_SOCPRO2=97 AND (MIE_PVACLV2=2,97 OR MIE_PSCKLV2=2,97))AND MJL_REGI2=2,97 AND MIS_BOOK_TYP2=3,4,5,97 OR IF EMPLOYEE AND MJU_INS=2,3 AND (MIE_SOCPRO1=97 AND (MIE_PVACLV1=2,97 OR MIE_PSCKLV1=2,97))AND MJL_REGI1=2,97 AND MIS_BOOK_TYP1=3,4,5,97 Employed in the household sector: • IF EMPLOYEE AND MJU_INS=4

Formal status of the job

Definition	The informal or formal nature of the job. • Formal jobs: includes independent workers who own and operate formal economic units; employees if their employment relationship is in practice formally recognized and associated with effective access to formal arrangements such as social protection and employment benefits; contributing family workers carrying out work for a formal economic unit and whose work relationships are formally recognized in relation to the legal administrative framework of the country and associated with effective access to formal arrangements • Informal jobs: includes independent workers who own and operate informal economic units; employees that do not have a formally recognized employment relationship or do not have effective access to formal arrangements such as social protection or employment benefits; contributing family workers whose work relationships are not formally recognized in relation to the legal administrative framework of the country or not associated with effective access to formal arrangements For details see the 21st ICLS resolution
Required questions	All questions needed to identify employed persons and MJJ_EMP_REL=5, MIS_SOCPRO_DC1, MJL_REGP1, MJL_REGP2, MIE_SOCPRO1, MIS_SOCPRO_DC2, MIE_PVACLV1, MIE_PSCKLV1, MIS_SOCPRO_DC1, MIE_SOCPRO2, MIE_PVACLV2, MIE_PSCKLV2, MJL_REGI3, MIS_BOOK_TYP3, MIS_SOCPRO_DC3
Variable derivation condition	Formal employment: • IF EMPLOYER AND (MJL_REGI3=1 OR MIS_BOOK_TYP3=1,2) OR IF INDEPENDENT WORKER WITHOUT EMPLOYEES AND (MJL_REGI3=1 OR MIS_BOOK_TYP3=1,2) OR IF DEPENDENT CONTRACTOR AND MJJ_EMP_REL=1 AND MJL_REGP2=1 AND MIS_SOCPRO_DC2=1 OR IF DEPENDENT CONTRACTOR AND MJJ_EMP_REL=2,3 AND (MJL_REGI3=1 OR MJL_REGP1=1 OR MIS_BOOK_TYP3=1) AND MIS_SOCPRO_DC1=1 OR IF EMPLOYEE AND (MIE_SOCPRO2=1 OR MIE_SOCPRO1=1) OR IF EMPLOYEE AND AND MIE_SOCPRO2=97 AND MIE_PVACLV2=1 AND MIE_PSCKLV2=1 OR IF EMPLOYEE AND AND MIE_SOCPRO1=97 AND MIE_PVACLV1=1 AND MIE_PSCKLV1=1 OR IF CONTRIBUTING FAMILY WORKER AND (MJL_REGI3=1 OR MIS_BOOK_TYP3=1) AND MIS_SOCPRO_DC3=1 <i>NOTE:</i> If question MIS_SOCPRO_DC3 is not included into the questionnaire, then all CONTRIBUTING FAMILY WORKERS will be classified in INFORMAL EMPLOYMENT Informal employment: • IF EMPLOYER AND (MJL_REGI3=2,97 OR MIS_BOOK_TYP3=3,4,5,97) OR IF INDEPENDENT WORKER WITHOUT EMPLOYEES AND (MJL_REGI3=2,97 OR MIS_BOOK_TYP3=3,4,5,97) OR IF DEPENDENT CONTRACTOR AND MJJ_EMP_REL=1 AND MJL_REGP2=1 AND MIS_SOCPRO_DC2=2,97 OR IF DEPENDENT CONTRACTOR AND MJJ_EMP_REL=1 AND MJL_REGP2=2,97 OR IF DEPENDENT CONTRACTOR AND MJJ_EMP_REL=2,3 AND (MJL_REGI3=1 OR MJL_REGP1=1 OR MIS_BOOK_TYP3=1) AND MIS_SOCPRO_DC3=2,97 OR IF DEPENDENT CONTRACTOR AND MJJ_EMP_REL=2,3 AND (MJL_REGI3=2,97 OR MJL_REGP1=2,97 OR MIS_BOOK_TYP3=3,4,5,97) OR IF EMPLOYEE AND (MIE_SOCPRO2=2 OR MIE_SOCPRO1=2) OR IF EMPLOYEE AND (MIE_SOCPRO2=97 AND (MIE_PVACLV2=2,97 OR MIE_PSCKLV2=2,97)) OR IF EMPLOYEE AND (MIE_SOCPRO1=97 AND (MIE_PVACLV1=2,97 OR

MIE_PSCKLV1=2,97))

OR IF CONTRIBUTING FAMILY WORKER AND (MJL_REGI3=1 OR MIS_BOOK_TYP3=1) AND MIS_SOCPRO_DC3=2,97

OR IF CONTRIBUTING FAMILY WORKER AND MJJ_EMP_REL=3 AND (MJL_REGI3=2,97 OR MIS_BOOK_TYP3=3,4,5,97)

OR IF CONTRIBUTING FAMILY WORKER AND MJJ_EMP_REL=5

NOTE: If question MIS_SOCPRO_DC3 is not included into the questionnaire, then all CONTRIBUTING FAMILY WORKERS will be classified in INFORMAL EMPLOYMENT

Persons in time-related underemployment

Definition	Employed persons working less than a specified number of hours, who want and are available to work more hours. For details see paragraphs 43-46 of the 19th ICLS Resolution I
Required questions	All questions needed to identify employed persons and WKT_MJ_USHRS, WKT_MJ_USDAY, WKT_MJ_USHRDY, WKT_SJ_USHRS, WKT_OJBS, (WKT_OJ_USHRS, WKT_USHRSTOT, WKT_WNT_MRH, WKT_AVL_MRH, WKT_NUM_MRH
Variable derivation condition	Time-related underemployment: IF CLASSIFIED AS EMPLOYED AND (WKT_USHRSTOT<[HOURS] AND WKT_WNT_MRH=1 AND WKT_AVL_MRH=1 AND WKT_NUM_MRH>0)

Unemployed persons

Definition	Persons of working age who were not employed in the reference week, who carried out activities to seek employment during a specified recent period, and who were currently available to take up employment given a job opportunity. For details see paragraphs 47-50 of the 19th ICLS Resolution I
Required questions	All questions needed to identify employed persons and SRH_JOB, SRH_BUS, SRH_MTD, SRH_ACT, SRH_OTH, SRH_DES, SRH_DWY, SRH_FTR, SRH_FAN, SRH_AVL
Variable derivation condition	• IF NOT EMPLOYED AND ABS_WHY≠1 AND (SRH_JOB=1 OR SRH_BUS=1) AND SRH_MTD=1,2,4,5,6,7,8,9,10,11,12,13,14 AND (SRH_AVN=1 OR (SRH_AVN=2 AND SRH_AVL=1)) • OR IF NOT EMPLOYED AND ABS_WHY≠1 AND (SRH_JOB=1 OR SRH_BUS=1) AND SRH_MTD=3 AND SRH_ACT=1 AND SRH_OTH=1,2,4,5,6,7,8,9,10,11,12,13,14 AND (SRH_AVN=1 OR (SRH_AVN=2 AND SRH_AVL=1)) • OR IF NOT EMPLOYED AND ABS_WHY≠1 AND SRH_JOB=2 AND SRH_BUS=2 AND SRH_DES=1 AND SRH_DWY=4 AND SRH_FTR=1,2 AND (SRH_FAN=1 OR (SRH_FAN=2 AND SRH_AVL=1)) • OR IF NOT EMPLOYED AND ABS_WHY=1 AND SRH_FTR=1,2 AND (SRH_FAN=1 OR (SRH_FAN=2 AND SRH_AVL=1))

Persons in long-term unemployment

Definition	Persons in long-term unemployment are defined as all unemployed persons with a duration of job search lasting 12 months or more, including the reference period. For details see paragraph 50 of the 19th ICLS Resolution I
Required questions	All questions needed to identify unemployed persons and SRH_DUR
Variable derivation condition	IF CLASSIFIED AS UNEMPLOYED AND SRH_DUR=5,6

Persons outside the labour force

Definition	Persons of working age who, during the short reference period, were neither in employment nor in unemployment. For details see paragraph 16 of the 19th ICLS Resolution I
Required questions	All questions needed to identify employed and unemployed persons
Variable derivation condition	IF DEM_AGE >= N AND (NOT CLASSIFIED AS EMPLOYED) AND (NOT CLASSIFIED AS UNEMPLOYED)

Potential labour force

Definition	Persons outside the labour force classified as unavailable jobseekers or available potential jobseekers. For details see paragraphs 51-55 of the 19th ICLS Resolution I
Required questions	All questions needed to identify unemployed persons
Variable derivation condition	Unavailable jobseeker: IF NOT EMPLOYED AND ABS_WHY#1 AND (SRH_JOB=1 OR SRH_BUS=1) AND SRH_MTD=1,2,4,5,6,7,8,9,10,11,12,13,14 AND SRH_AVN=2 AND SRH_AVL=2 OR IF NOT EMPLOYED AND ABS_WHY#1 AND (SRH_JOB=1 OR SRH_BUS=1) AND SRH_MTD=3 AND SRH_ACT=1 AND SRH_OTH=1,2,4,5,6,7,8,9,10,11,12,13,14 AND SRH_AVN=2 AND SRH_AVL=2 OR IF NOT EMPLOYED AND ABS_WHY#1 AND SRH_JOB=2 AND SRH_BUS=2 AND SRH_DES=1 AND SRH_DWY=4 AND SRH_FTR=1,2 AND SRH_FAN=2 AND SRH_AVL=2 OR IF NOT EMPLOYED AND ABS_WHY=1 AND SRH_FTR=1,2 AND SRH_FAN=2 AND SRH_AVL=2 Available potential jobseeker:

- **IF** NOT EMPLOYED AND ABS_WHY≠1 AND (SRH_JOB=1 OR SRH_BUS=1) AND SRH_MTD=3 AND SRH_ACT=2 (SRH_AVN=1 OR (SRH_AVN=2 AND SRH_AVL=1))
OR IF NOT EMPLOYED AND ABS_WHY≠1 AND SRH_JOB=2 AND SRH_BUS=2 AND SRH_DES=1 AND SRH_DWY =1,2,3,5,6,7,8,9,10,11,12,13 AND (SRH_AVN=1 OR (SRH_AVN=2 AND SRH_AVL=1))
OR IF NOT EMPLOYED AND ABS_WHY≠1 AND SRH_JOB=2 AND SRH_BUS=2 AND SRH_DES=1 AND SRH_DWY=4 AND SRH_FTR=3 AND (SRH_FAN=1 OR (SRH_FAN=2 AND SRH_AVL=1))
OR IF NOT EMPLOY AND ABS_WHY=1 AND SRH_FTR=3 AND (SRH_FAN=1 OR (SRH_FAN=2 AND SRH_AVL=1))

Discouraged jobseekers

Definition	Persons of working age who were not employed and did not seek employment for labour market-related reasons, but wanted and were currently available to work. For details see paragraph 52 of the 19th ICLS Resolution I
Required questions	All questions needed to identify unemployed persons
Variable derivation condition	IF CLASSIFIED AS AVAILABLE POTENTIAL JOB-SEEKERS AND SRH_DWY=5,6,7

Willing non-jobseekers

Definition	Persons not in employment who wanted employment but did not seek employment and were not currently available. For details see paragraph 53 of the 19th ICLS Resolution I
Required questions	All questions needed to identify persons outside the labour force
Variable derivation condition	IF NOT EMPLOYED AND ABS_WHY≠1 AND (SRH_JOB=1 OR SRH_BUS=1) AND SRH_MTD=3 AND SRH_ACT=2 SRH_AVN=2 AND SRH_AVL=2 OR IF NOT EMPLOYED AND ABS_WHY≠1 AND SRH_JOB=2 AND SRH_BUS=2 AND SRH_DES=1 AND SRH_DWY =1,2,3,5,6,7,8,9,10,11,12,13 AND SRH_AVN=2 AND SRH_AVL=2 OR IF NOT EMPLOYED AND ABS_WHY≠1 AND SRH_JOB=2 AND SRH_BUS=2 AND SRH_DES=1 AND SRH_DWY =4 AND SRH_FTR=3 SRH_FAN=2 AND SRH_AVL=2 OR IF NOT EMPLOYED AND ABS_WHY=1 AND

SRH_FTR=3
SRH_FAN=2 AND SRH_AVL=2

Youth not in employment, education or training (NEET)

Definition	Youth who are outside the educational system, not in training and not in employment. This indicator serves as a broader measure of potential youth labour market entrants than youth unemployment, since it also includes young persons outside the labour force not in education or training. It is also a better measure of the current universe of potential youth labour market entrants compared to the youth outside the labour force, as the latter includes those youth who are not in the labour force and are in education, and thus cannot be considered currently available for work. Youth should be defined as per national practice. Where possible, the 15-24 years age group should be used to produce the indicator as well, for regional and international comparison, as set by the definition of the SDG indicator 8.6.1 For details see the SDG indicator 8.6.1
Required questions	All questions needed to identify employed persons and questions DEM_EDC, DEM_APP, DEM_TRN from the LFS household roster
Variable derivation condition	IF (CLASSIFIED AS YOUTH) AND (NOT CLASSIFIED AS EMPLOYED) AND (DEM_EDC=2 AND DEM_APP=2 AND DEM_TRN=2,3)

Persons in own-use production of goods (Job-type start)

Definition	Persons of working age who, during a short reference period, performed any activity to produce goods for own final use. For details see paragraph 22(b) of the 19th ICLS Resolution I
Required questions	AGF_CHK, AGF_ANY, AGF_MKT, AGF_HIS, AGF_HIR, OPC_HCROP, OPF_HFOOD
Variable derivation condition	• Own-use producers of foodstuff IF (DEM_AGE>=N AND (AGF_CHK=1,2,3 OR AGF_ANY=1,2,3) AND ((AGF_MKT=3,4) OR (AGF_MKT=97 AND AGF_HIS=3,4)) AND AGF_HIR=2) OR IF (DEM_AGE >= N AND (OPC MODULE IMPLEMENTED AND OPC_HCROP=1) OR (OPF MODULE IMPLEMENTED AND OPF_HFOOD=1 OR OPF_HFOOD=2 OR OPF_HFOOD=3 OR OPF_HFOOD=4 OR OPF_HFOOD=5)) • Own-use producers of goods IF (DEM_AGE >= N AND CLASSIFIED AS PRODUCER OF FOODSTUFF FOR OWN-USE OR BLD_OPG=1 OR MNF_OPG=1 OR

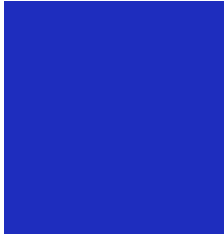
WTR_OPG=1 OR
FIR_OPG=1

Persons in own-use production of goods (Agricultural work start)

Definition	Persons of working age who, during a short reference period, performed any activity to produce goods for own final use. For details see paragraph 22(b) of the 19th ICLS Resolution I
Required questions	AWD_ARD1, AGF_MKT, AGF_HIS, BLD_OPG, MNF_OPG, WTR_OPG, FIR_OPG
Variable derivation condition	• Own-use producers of foodstuff IF (DEM_AGE>=N AND AWD_ARD1=1,2,3,4 AND ((AGF_MKT=3,4) OR (AGF_MKT=97 AND AGF_HIS=3,4)) • Own-use producers of goods IF (DEM_AGE >= N AND CLASSIFIED AS PRODUCER OF FOODSTUFF FOR OWN-USE OR BLD_OPG=1 OR MNF_OPG=1 OR WTR_OPG=1 OR FIR_OPG=1

Persons in own-use production of goods (Main activity start)

Definition	Persons of working age who, during a short reference period, performed any activity to produce goods for own final use. For details see paragraph 22(b) of the 19th ICLS Resolution I
Required questions	AWD_ARD1, AGF_MKT, AGF_HIS, OPC_HCROP, OPF_HFOOD, BLD_OPG, MNF_OPG, WTR_OPG, FIR_OPG
Variable derivation condition	• Own-use producers of foodstuff IF (DEM_AGE>=N AND AWD_ARD1=1,2,3,4 AND ((AGF_MKT=3,4) OR (AGF_MKT=97 AND AGF_HIS=3,4)) OR IF (DEM_AGE>=N AND (OPA MODULE IMPLEMENTED AND OPC_HCROP=1) OR (OPA MODULE IMPLEMENTED AND OPF_HFOOD=1 OR OPF_HFOOD=2 OR OPF_HFOOD=3 OR OPF_HFOOD=4 OR OPF_HFOOD=5)) • Own-use producers of goods IF (DEM_AGE >= N AND CLASSIFIED AS PRODUCER OF FOODSTUFF FOR OWN-USE OR



BLD_OPG=1 OR
MNF_OPG=1 OR
WTR_OPG=1 OR
FIR_OPG=1