



ONLINE

LABOUR MARKET

# STATA FOR LABOUR MARKET ANALYSIS

Understanding how to analyse the labour market within the 2030 SDGs Indicator Framework using STATA software

2 MAY – 3 JUNE 2022

 5 WEEKS, 60 HOURS

*Information Note*

## INTRODUCTION/BACKGROUND

The demand for analysing labour market data has risen, in line with the prioritization of countries to better understand the functioning of the labour market and the impact of policies and programmes on outcomes, including unemployment and employment.

The adoption of the 2030 Agenda for Sustainable Development requires governments and other stakeholders to monitor progress towards the defined goals and targets, including SDG 8 on Decent Work and Economic Growth. At the same time, new measures of the labour market are evolving through the adoption of statistical standards by the International Conference of Labour Statisticians (ICLS). The 19th and 20th ICLS resolutions on work statistics are crucial for decent work related SDG indicators, particularly SDG 8 on promoting inclusive and sustainable growth, employment and decent work for all.

The analysis of labour market data relies on the availability of data, which has expanded in recent years, and the use of appropriate methodologies to identify key factors and trends relevant to evidence-based policymaking. In this regard, analysts and statisticians depend on statistical software that provides a user-friendly approach to data management, description, graphics and analysis. STATA is such a tool, which is powerful but easy-to-use, and is utilized across the world for analysing labour market data.

Building on its long experience in delivering training on labour market statistics, the International Training Centre of the ILO in full collaboration with the ILO Department of Statistics is proud to offer this online training on using STATA for labour market analysis. Harnessing the latest ground-breaking distance learning technologies, the ITCILO is proudly offering this course online for the first time in full collaboration with the ILO Department of Statistics.

## LEARNING OBJECTIVES

The main objective of the course is to provide participants with the skills needed to use the computer software STATA to analyze the labour market for evidence-based policymaking, including SDG and decent work indicators. The course is designed to enhance institutional capacities to identify, collect, analyze and disseminate labour market information and other indicators related to the SDGs indicator framework. Moreover, the course will also emphasize the latest 20th ICLS resolutions concerning work statistics as an important pillar to measure progress towards the 2030 agenda, particularly Goal 8 on promoting inclusive and sustainable growth, employment and decent work for all.

More specifically, the course aims to:

- Enhance understanding about the definitions, terminologies, and resolutions of labour statistics;

- Understand the Decent work and SDG indicators framework;
- Foster better understanding and operationalization of key international statistical standards;
- Promote sound statistical data processing and analysis of indicators;
- Acquire a comprehensive understanding of how STATA is applied to analyze the labour market and translate it into adequate policymaking;
- Obtain a better understanding on the various measurements of labour force indicators using STATA.

## TARGET AUDIENCE

The course targets:

- Labour Statisticians from national statistical offices; Ministries of labour and related institutions (such as labour observatories); Other Ministries or Government institutions in charge of SDG statistical monitoring;
- Employment and development policy analysts from National Statistical Offices, Research and Academic institutions, International organizations and Donor organizations; and
- Officials responsible for managing the production and dissemination of labour market statistics, particularly for the SDG national reporting.

## ONLINE COURSE CONTENT

Using a step-by-step approach, this course provides practical skills and tips for analysing labour market data to construct and interpret key decent work and SDG indicators. The course is structured around six modules:

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### Module 1 Overview of labour statistics

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- Definitions and terminology – resolutions of the International Conference of Labour Statisticians
  - Decent work and SDG indicators
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### Module 2 Intro to STATA

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- STATA screen and toolbar
  - Importing and using data
  - Do-file – running commands
  - Log files - where output is saved
  - Summarizing and analysing data
  - Graphics to analyse data and trends
  - Modifying data sets
  - Collapsing and merging data sets
  - Weighting
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### Module 3 Measuring the labour force and other indicators

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- Overview of labour force indicators, including employment, unemployment, NEET, potential labour force (including discouraged job seekers), classification of status in employment (ICSE), of occupations (ISCO), of economic activities (ISIC), social benefits, informality...
- Deriving labour force indicators in STATA

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### Module 4 Analysis of labour statistics

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- Brief labour market analysis based on survey data

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### Module 5 Practical assignment

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- Group presentations
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## TRAINING METHODOLOGY

The course is constructed as follows:

- **Lectures by experts and practitioners**
  - Sharing knowledge with participants around the various topics discussed in the course
- **Practical exercises and group work which will involve preparing, describing and analysing real labour force data using STATA**
  - Hands-on practical exercises on using STATA for analysing real labour market data.

The course will emphasize a unique learning approach, which is structured around:

- **Harnessing digital learning technology**
  - Interactive online platform
  - Online Real-time feedback and support
  - Online forum discussions and interaction
- **Training methodology will combine**
  - Expert presentations
  - Practical online exercises using STATA
  - Online Group discussions and exercises
  - Online Group work.

## DATES

The course will take place from **2 May 2022 – 3 June 2022**.

## LANGUAGE

The course will be conducted in **English**.

## COST AND FINANCING

The course is fee-paying. The total cost is **Euro 1,120**.

- **Every participant enrolled in the course will receive a free STATA license!**

## PAYMENTS AND CANCELLATION

- Payments need to be received latest 14 days before the beginning of the course. Payment modalities will be communicated in the letter of acceptance. In the event of a cancellation, a participant may be substituted with another candidate. Cancellations remain free of charge if communicated latest 14 days prior to the start of the course.
- For cancellations after this date, a penalty will be applied. For further information regarding payment, cancellation and refunds, please consult: <http://www.itcilo.org/en/training-offer/how-to-apply>

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## HOW TO APPLY

To register, kindly fill in and submit the online registration form available through this link: <https://oarf2.itcilo.org/DST/A9714885/en>.

The selection of applicants will be based on the submission of:

- A completed **online registration** form
- An **official sponsorship letter** issued by their organization (or donor organization).

Kindly note that we need to receive the above-mentioned documents in order to register you for the course!

The selection of applicants will be based on the following criteria:

- Proven work experience in relevant field (e.g., labour force survey data collection, processing, analysing and interpretation; statistical reporting);
- Submission of a cover letter explaining how the course will help the participant enhance their professional skills and how they will use these skills in their respective organizations.

We strongly recommend applying early since admission is competitive and space is limited!

## DEADLINE FOR APPLICATION

The deadline for applications is **25 April 2022**.

## WITHDRAWAL, CANCELLATION POLICY, AND REFUNDS FOR OPEN COURSES

If an enrolled participant wishes or must withdraw from a course, they may choose to apply to a different course or be substituted by another candidate. The participant must notify the Centre, in writing, of their decision at least 14 days prior to the start date of the course. Cancellation of participation in regular courses will result in the following penalties:

- 14 days or more prior to the start date of the course: No penalty, 100% refund of amount paid less applicable bank charges
- 8 to 13 days prior to the start date of the course: Penalty of 50% of course price, refund of residual amount paid (if any) less applicable bank charges
- 7 days or less prior to the start date of the course: Penalty of 100% of course price.

## INFO

### FOR FURTHER INFORMATION PLEASE CONTACT

**International Training Centre of the ILO**  
Employment Policy and Analysis Programme (EPAP)  
Viale Maestri del Lavoro, 10  
10127 Turin – Italy

Administrative arrangements can be coordinated with the course assistant via ([Imstats@itcilo.org](mailto:Imstats@itcilo.org));

For the technical coordination, please also contact the ITCILO programme officer **Mr. Mostafa Mohamed** ([m.mohamed@itcilo.org](mailto:m.mohamed@itcilo.org)).

COURSE CODE: A9714885