



**Ministry of Labour
& Social Security**
"Providing Opportunities, Stability & Social Protection"



Programme

National Capacity Building Training on Statistical, Methodological and Computational aspects of the Productive Capacities Index (PCI)

(Kingston, Jamaica, 9-10 February 2026)

The main objectives of the statistical training are:

- I. To build statistical capacities of Jamaica through training of national statistical experts to compute and interpret country-specific PCI.
- II. To share statistical and methodological as well as computational aspects of the PCI and to expose national statisticians to UNCTAD's Productive Capacities Index (PCI).
- III. To enhance the capacity of Jamaica's statistical experts to initiate processes to enhance the validity of the results for Jamaica.
- IV. To explore how the PCI can be used in national statistics and policy-making processes.
- V. To foster a network of national statisticians who work and exchange on PCI, including the SIDS satellite PCI
- VI. To collect feedback for the Statistical and Technical Advisory Group (STAG) of the PCI.



To participate in the training sessions, all trainees must have access to a computer with R and RStudio installed.

- ✓ The R software (which is the engine that performs the calculations) and R Studio Desktop (which is integrated development environment for R and makes working with R much more

manageable) can be both easily downloaded from <https://www.rstudio.com/products/rstudio/download/> (Steps 1 & 2 respectively)

Monday, 09 February 2026

- 09:00-09:30 Registration and introduction of participants
- 09:30-09:40 Introductory remarks by JPC and UNCTAD
Mrs. Tamar Nelson, Chief Technical Director (Acting) of the Jamaica Productivity Centre (JPC)
Mr. Mussie Delelegn, Head, Productive Capacities and Sustainable Development Branch, Division for Africa, LDCs and Special Programmes, UNCTAD
- 09:45-10:00 Opening, overall objectives of the training, economic concepts around productive capacities and articulation with official statistics. **Rachid Bouhia, Economic Affairs Officer, Productive Capacities and Sustainable Development Branch, UNCTAD**
- 10:00-10:15 Tea/Coffee break
- 10:15-11:00 **Session 0: Setting the stage**
Introduction to the UNCTADStat PCI database: Access and use; **Mr. Benny Salo, Statistician, UNCTAD Statistics**
- 11:00-12:00 Overall presentation and visualization of the PCI package: pipelines, inputs, outputs, options and objects; **Mr. Rachid Bouhia, Economic Affairs Officer, Productive Capacities and Sustainable Development Branch, UNCTAD**

12:00-13:00	Introduction to R and hands-on exercises; Mr. Benny Salo, Statistician, UNCTAD
13:00-14:00	Lunch Break
14:00- 14:40	<u>Session 1: Reading data</u> Indicators for productive capacities as input for PCI: Sources and data availability; Mr. Benny Salo, Statistician, UNCTAD Statistics
14:40-15:30	Drills on input datasets and NA diagnostics; Mr. Rachid Bouhia, Economic Affairs Officer & Mr. Benny Salo, Statistician, UNCTAD
15:30-15:45	Tea/coffee break
15:45-16:30	<u>Session 2: Transforming input indicators</u> Overview of options and exercises; Mr. Benny Salo, Statistician, UNCTAD

Tuesday, 10 February 2026

09:00-10:00	<u>Session 3: Computing the PCI</u> Presentation of Principal Component Analysis, applications to the PCI and drills; Mr. Rachid Bouhia, Economic Affairs Officer, UNCTAD
10:00-10:30	<u>Session 4: Interpolating, extrapolating and accounting for COVID-19</u> Overview of methods used and drills; Mr. Rachid Bouhia, Economic Affairs Officer & Mr. Benny Salo, Statistician, UNCTAD
10:30-10:45	Tea/Coffee break
10:45-11:45	<u>Session 5: Imputing missing values</u> Presentation of techniques used (random forests, PCA and gravity models) and drills; Mr. Benny Salo, Statistician, UNCTAD

- 11:45-12:15 Presentation and discussion on the SIDS Satellite PCI. **Mr. Rachid Bouhia, Economic Affairs Officer, UNCTAD**
- 12:15-13:15 Lunch
- 13:15-14:15 Group exercises and presentations on PCI analysis; **Mr. Rachid Bouhia, Economic Affairs Officer & Mr. Benny Salo, Statistician, UNCTAD**
- 14:15-14:30 Tea/coffee break
- 14:30-15:50 (Continued) Group exercises and presentations on PCI analysis; **Mr. Rachid Bouhia, Economic Affairs Officer & Mr. Benny Salo, Statistician, UNCTAD**
- 15:50-16:00 The way forward and closing; **Mr. Rachid Bouhia, Economic Affairs Officer & Mr. Mussie Deleegn Arega, Head, Productive Capacities and Sustainable Development Branch, UNCTAD**