UNITED NATIONS
ECONOMIC
AND
SOCIAL COUNCIL

Distr.
LIMITED

E/CN.14/CAS.5/LS.21*
2/AS/LS/3
26 August 1967

Original: ENGLISH/FRENCH

ECONOMIC COMMISSION FOR AFRICA
Fifth Conference of African Statisticians
Addis Ababa, 30 October - 10 November 1967

# REPORT ON THE SECOND AFRICAN SEMINAR ON LABOUR STATISTICS

*Erratum: The symbol appearing on pages 1 - 4, on pages 1 - 5 of Annex I, and on pages 1 - 3 of Annex II of this document should be corrected to read "E/CN.14/CAS.5/LS.21" instead of "... LS.20".

M67-1082

# Report on the Second African Seminar on Labour Statistics

1. The Second African Seminar on Labour Statistics, sponsored and organized jointly by the International Labour Organisation and the Economic Commission for Africa was convened on the Recommendation of the Fourth Conference of African Statisticians, November 1965 and met during the period April-May 1967. The Seminar was held in two stages; the first stage, for participants from French-speaking African countries, was held in Dakar, Senegal, from 11 to 29 April 1967 and the second stage, for participants from English-speaking African countries, was held in Addis Ababa, Ethiopia, from 8 to 27 May 1967.

2. The aim of the Seminar was to contribute to the development of labour statistics within the framework of general progress in statistical activities in the region, and the subjects dealt with were urban family living studies, with particular emphasis on household budget inquiries, and consumer price indices. The Seminar was conducted in the form of a practical course, with examples, solutions of problems and field exercises, in addition to providing an opportunity for exchanges of experience and views among the participants. A full list of documents distributed to the participants of the Seminar is given in Annex II

## I. First Stage: Dakar, 11-29 April 1967

3. L'Institut Africain de Développement économique et de Planification provided a lecture room and an office as well as secretarial services for the Seminar.

4. Thirteen participants from the following 13 countries attended the Seminar at Dakar: Algeria; Burundi; Cameroon; Central African Republic Congo Dem. Rep), Dahomey; Ivory Coast; Madagascar; Mali; Rwanda; Senegal; Togo; Upper Volta. A full list of participants is given in Annex I.

5. The first part of this stage of the Seminar was devoted to consumer price indices and included the follow8ng main points:

(a) Presentation of document E/CN.14/CAS.5/LS.16 Consumer Price Indices in Africa.

(b) Presentation of documents 2/ASLS/2 Consumer Price Statistics and 2/ASLS/2A Consumer Price Index Numbers: Basic Concepts, Methods and Formulae.

(c) Price collection in African countries, problems due to the various measures used, variations in prices depending upon the buyer, definition of items and selection of reference items, selection of retail outlets and frequency of price collection.

(d) Practical exercise on price collection in various markets of Dakar. In pairs, the participants and the lecturers visited the various markets and purchased specified products. After the purchases, these products were weighed in order to determine the actual price per kilogramme, the results of which showed a very large dispersion of prices depending upon the markets as well as the buyers.

(e) Different methods of calculating consumer price indices, errors in indices, linking coefficients, chain indexes, and substitution of items in indexes.

6. The second part of the stage at Dakar was devoted to household budget inquiries and the most important points covered were as follows:

(a) Presentation of document E/CN.14/CAS.5/LS.17 Household Budget Surveys in Africa.

(b) Presentation of document 2/ASLS/1 Family Living Studies: Development, Methods and Uses.

(c) Preparation of a survey including the costing and the budget for the carrying out of the survey.

(d) Two surveys carried out in Senegal and in Upper Volta were described in detail by the respective participants from these countries and formed the basis for a discussion among the participants.

(e) Sampling techniques, training of enumerators and the duties of survey supervisors.

(f) Preparation of questionnaires with practical examples of prepared questionnaires.

(g) Practical exercises including visits to various families in Dakar.

(h) Analysis of the survey results, including hand and mechnical processing techniques, preparation of the results in tabular form.

7. Despite the efforts made by the organisers to have a group of participants as homogeneous as possible with regard to their levels of experience and qualifications, it should be stated that the participants at the stage held in Dakar had varying levels of experience and qualifications which tended to make the drawing up of the theoretical courses rather difficult.

II. Second Stage: Addis Ababa, 8-27 May 1967

8. A lecture room, offices and secretarial services for the Seminar were provided by the Economic Commission for Africa in Africa Hall.

9. Eleven participants from the following ten countries attended the second stage of the Seminar in Addis Ababa: Ethiopia; Liberia; Mauritius; Nigeria; Somalia; Sudan; Tanzania; Uganda, United Arab Republic and Zambia. A list of participants is given in Annex I.

10. The principal points studied under the heading of Household Budget Inquiries were as follows:

(a) English versions of the documents already presented at Dakar: - Household Budget Surveys in Africa and Family Living Studies: Development, Methods and Uses.

(b) Purpose of Surveys; scope, planning, organization, and costing of surveys; pilot surveys.

(c) Basic principles and main types of sampling, including country experiences.

(d) General remarks on questionnaires, preparation of questionnaires; methods of data collection, problems arising in the course of field operations and other problems of organisation; selection, training and control of enumerators.

(e) Practical exercises, including the setting up by the participants of a pilot survey in Addis Ababa, visiting various families in Addis Ababa for the collection of data, evaluation of the results of the pilot survey and their analysis and presentation in tabular form.

(f) Uses of data from surveys, including national accounts, elasticity of demand and the establishment of consumer price indices.

11. The main points covered under the subject heading Consumer Price Indices were as follows.

(a) English versions of the documents already presented at Dakar: - Consumer Price Indices in Africa, Consumer Price Statistics, and Consumer Price Index Numbers: Basic Concepts, Methods and Formulae.

(b) Nature and construction of index numbers, linking of index numbers, adjustments for seasonal variation, uses of index numbers.

(c) Methods of price data collection, including the construction of schedules, substitution of items and of price collection points, selection of items to be investigated and selection of retail outlets.

(d) Practical exercise on price collection in the main market of Addis Ababa and one retail shop. The same technique was followed in Addis Ababa as in Dakar: prices of a selected list of commodities were obtained by the participants purchasing the products, these were then weighed in order to obtain the actual prices per kilogramme.

# ANNEX I - ANNEXE I

## List of participants
## Liste des participants

### I. Session de Dakar

| Pays | Noms |
|---|---|
| Algérie | M. Mohammed BOUKHOBZA<br>Ingénieur des Travaux statistiques<br>Sous-direction de la Statistique<br>12, Rue Bab-Azoun<br>Alger |
| Burundi | M. Charles SINZINKAYA<br>Contrôleur<br>Institut Rundi de la Statistique<br>Bujumbura |
| Cameroun (Rép. Féd.) | M. Samuel TONYE N'LIBA<br>Agent technique<br>Ministère du travail et des lois sociales<br>B.P. 1066<br>Yaoundé |
| Congo (Rép. Dém.) | M. Marcel MAKENGO<br>Chef de bureau<br>Direction de la Statistique générale<br>B.P. 20<br>Kinshasa - Kalina |
| Côte-d'Ivoire | M. Jean BOUKEI<br>Service de la Statistique générale<br>B.P. 222<br>Abidjan |
| Dahomey | M. Pascal TOFFOUN<br>Chargé de la programmation de la main d'oeuvre<br>Direction de la main-d'oeuvre<br>B.P. 414<br>Cotonou |

| Pays | Noms |
|---|---|
| Haute Volta | M. Georges SANOGOH<br>Directeur de la Statistique et<br>Des études économiques<br>B.P. 374<br>Ouagadougou |
| Madagascar | M. Dieudonné RANDRIAHARIMINA<br>Ingénieur des Travaux statistiques<br>B.P. 485<br>Tananarive |
| Mali | M. Cheick KANE<br>Ingénieur des travaux statistiques<br>Service de la Statistique générale<br>Bamako-Koulouba |
| République Centrafricaine | M. Michel OUGOULA<br>Directeur de la Statistique<br>B.P. 444<br>Bangui |
| Togo | M. Sébastien AZIAKA<br>Ingénieur des travaux<br>Statistiques<br>B.P. 118<br>Lomé |
| Rwanda | M. Antoine KITEGETSE<br>Agent Technique<br>Institut de Statistique<br>Kigali |
| Sénégal | M. Abdou KARIM DIOP<br>Ingénieur des Travaux statistiques<br>Direction de la Statistique<br>B.P. 116<br>Dakar |

Secrétariat
B.I.T.

| | |
|---|---|
| M.A.SERRE | Statisticien régional<br>Directeur du Cycle d'études |
| M.M. VENTURELLI | Chef de la Section |
| M. QUINTERO-FERRO | Statisticien |
| Mme. G. CLAIRMONTE | Statisticienne |

C.E.A.

M. F. RAYNAL — Statisticien

Sénégal

M. GRENOUILLEAU — Conseiller technique en statistique

II. Addis Ababa Session

| Country | Name |
|---|---|
| Ethiopia | Mr. Bekele GEBRE TSADIK<br>Statistician<br>Central Statistical Office<br>P.O.Box 1143<br>Addis Ababa |
| Liberia | Mr. Thomas L. JARRY<br>Junior Statistician<br>Department of Planning and Economic Affairs<br>Bureau of Statistics<br>Monrovia |
| Mauritius | Mr. R. RASSOU<br>Statistician<br>Central Statistical Office<br>Rose Hill |
| Nigeria | Mrs. Victoria Adebimpe SODIPO<br>Senior Statistician<br>Office of Statistics<br>Lagos |
| Somalia | Mr. Hussein ELABEH FAHIE<br>Head of Section<br>Statistical Department<br>Mogadiscio |
| Sudan | Mr. Omar Ahmed ELTAY<br>Statistician<br>Department of Statistics<br>P.O.Box 700<br>Khartoum |

| Country | Name |
|---|---|
| Tanzania | Mr. Joshua Joseph MPOGOLO<br>Statistician<br>Central Statistical Bureau<br>P.O.Box 796<br>Dar-es-Salaam |
| Uganda | Mr. Napoleon SSENTAMU NTATE<br>Employment Service Officer<br>Ministry of Labour<br>P.O.Box 9<br>Kampala |
| United Arab Republic | Mr. Mahmoud Bahgat Hafez<br>Statistician<br>49 Giza Street<br>Cairo |
| | Mr. Ahmed Gad Mohammed El Sayed Gad<br>Chief of Index numbers Sections<br>Maadi Street No.81, Building 60<br>Cairo |
| Zambia | Mr. Kennan Henry NKWABILO<br>Assistant Price Controller<br>Ministry of Commerce, Industry and Foreign Trade<br>P.O.Box 1968<br>Lusaka |

ECA Secretariat

| | |
|---|---|
| Mr. R.K.A. Gardiner | Executive Secretary |
| Mr. A.L. Mullier | Director, Statistics and Demography Div. |
| Mr. W.L. Booker | Deputy Director, " " |
| Mr. N. Chalak | Head, National Accounts Section S.&D.D. |
| Mr. R.K. Som | Head, Demography Section S.&D.D. |
| Mr. E. Armstrong | Statistician |
| Mr. R. Casimir | Statistician |

ILO Secretariat

| | |
|---|---|
| Mr. A. Tévoédjre | Regional Coordinator |
| Mr. A. Serré | Regional Statistician, Director of Seminar |
| Mr. C. Quintero-Ferro | Statistician |
| Mr. C.F. Johnson | Statistician |
| Mrs. G. Clairmonte | Statistician |

ANNEX II - ANNEXE II

List of documents circulated to participants of the 2nd Cycle African Seminar on Labour Statistics

Liste des documents distribués aux participants du deuxième Cycle d'études sur les Statistiques du Travail

I. Dakar, 11 - 29 avril 1967

| | | |
|---|---|---|
| 1. | Emploi du temps par semaine | |
| 2. | 2/AS/LS/1 | Enquêtes sur les conditions de vie des familles (BIT) |
| 3. | E/CN.14/CAS.5/LS/16 | Indices des prix à la consommation en Afrique (CEA) |
| 4. | E/CN.14/CAS.5/LS/17 | Les enquêtes de budgets de famille en Afrique (CEA) |
| 5. | 2/AS/LS/2 | Statistiques des prix à la consommation (BIT) |
| 6. | 2/AS/LS/2A | Indices des prix à la consommation, concepts, méthodes, formules (BIT) |
| 7. | 7/CE/DAK | Calcul de l'indice des prix à la consommation |
| 8. | 8/CE/DAK | Prix de détails de certains biens de consommation<br>Bulletin de statistique du travail, 2ème trimestre 1965 (BIT) |
| 9. | 9/CE/DAK | Exemple de définitions des produits retenus dans l'indice tunisien |
| 10. | 10/CE/DAK | Pondération des fruits et légumes à Madagascar |
| 11. | 11/CE/DAK | Calcul de l'élasticité, enquête budgets salaires africains à Abidjan, 1956 |
| 12. | 12/CE/DAK | Calcul de l'élasticité, enquête rurale de Korhogo, Côte-d'Ivoire, 1962 |
| 13. | 13/CE/DAK | Bulletin de la statistique du Travail. (BIT) 1er trimestre 1967. |

| | | |
|---|---|---|
| 14. | 14/CE/DAK | Utilisation des méthodes de sondage pour l'élaboration des statistiques du travail (BIT) |
| 15. | 15/CE/DAK | Calcul des indices des prix à la consommation<br>Deuxième Conférence internationale du Travail, 1962, Rapport IV. |
| 16. | 16/CE/DAK | Enquêtes sur les conditions de vie des familles<br>Recueil de monographies (BIT), 1963 |
| 17. | 17/CE/DAK | Méthodes d'enquêtes sur les conditions de vie des familles (BIT), 1949 |
| 18. | 18/CE/DAK | Manuel des méthodes d'enquête sur les ménages, Nations Unies, Série F.No.10 |

II. Addis-Abéba, 8-27 May 1967

Note no.

1. General information for participants
2. Time table
3. Introduction of the subject to be dealt with at the Seminar
4. Purpose of surveys
5. Some notes on sampling
6. Scope of surveys, costs involved in conducting a survey
6a. Scope, design and organisation of the survey
7. The use of family budgets for national accounts and for projections (exercice)
8. " " "
9. " " " (lecture)
10. Urban household survey in Nigeria
11. Retail prices of consumer goods, October 1965 (Bulletin of Labour Statistics, 2nd quarter, 1966).
12. Weighting of vegetables and fruits according to month of the year in the consumer price index for Tananarive.
13. Price collection, 25 May 1967

Note No.

| | | |
|---|---|---|
| 14. | 2/AS/LS/1 | Family living studies: Development, methods and uses |
| 15. | 2/AS/LS/2 | Consumer price statistics |
| 16. | 2/AS/LS/2a | Consumer price index numbers: Base, concepts, methods and formulas |
| 17. | E/CN.14/CAS.5/LS.16 | Consumer price index in Africa |
| 18. | E/CN.14/CAS.5/LS.17 | Household budgets surveys in Africa |
| 19. | E/CN.14/CAS.5/LS.18 | Some thoughts on consumer price index |

20. Extract from Bulletin of Labour Statistics, 1st quarter 1966. Application of sampling in labour statistics

21. Consumer price index, by Amarendra BASU

22. Family living studies, Symposium, ILO

23. Report on International Definitions and Measurement of levels of living, UN, E/CN.3/179 and E/CN.5/299

24. Handbook of households surveys: UN, Series F. No.10

25. Household income and expenditure statistics, 1950-64, ILO.

26. Computation of cost of living indices in developing countries Washington, GM. 15

27. The International Standardisation of labour Statistics, ILO, 1959.

28. Computation of consumer price indices (special problems), ILO, 1962

29. Résolutions I, II and III adopted by the Tenth Conference of Labour Statisticians.