

Sri Lanka - Annual Employment Survey - 2011

**Statistics Division, Department of Labour - Ministry of Labour Relations and
Manpower**

Report generated on: October 1, 2013

Visit our data catalog at: <http://statistics.sltidc.lk/index.php>

Overview

Identification

ID NUMBER

LKA-DOL-EMS-2011-v1.0

Version

VERSION DESCRIPTION

v1.0: Full edited dataset, original version for internal DPD use.

PRODUCTION DATE

2008-06-11

Overview

ABSTRACT

The Annual Employment Survey of Sri Lanka conducted by the Department of Labour has been designed to measure the levels and trends of the private sector and semi-government sector employment of the country over a period of time.

The main objective of the survey is to collect employment related information in the organised sector establishments of the country

KIND OF DATA

Sample survey data [ssd]

UNITS OF ANALYSIS

The survey covers establishments in both Public and Private sectors

Scope

NOTES

The scope of EMS 2011 includes the following key sections:-

Establishment particulars

- Name of establishment
- Location and full address
- Telephone number
- District of assistant commissioner of labour
- Revenue district
- DS division
- MC/UC area
- Telephone number and address of head office
- Nature of economic activity

Classification of employees (Sri Lankan and Non Sri Lankan employees)

- Number of permanent employees
- Number of temporary employees
- Number of casual employees
- Number of learners and apprentices

Details of occupational categories

- Number of men and women in administrative & managerial category (Adults/Under 18 years)
- Number of men and women in professional/technical and related category (Adults/Under 18 years)
- Number of men and women in clerical and related category (Adults/Under 18 years)
- Number of men and women in sales workers category (Adults/Under 18 years)
- Number of men and women in supervisor and foremen category (Adults/Under 18 years)
- Number of men and women in skilled and semi-skilled category (Adults/Under 18 years)
- Number of men and women in unskilled category (Adults/Under 18 years)

TOPICS

Topic	Vocabulary	URI
employment [3.1]	CESSDA	http://www.nesstar.org/rdf/common
labour relations/conflict [3.3]	CESSDA	http://www.nesstar.org/rdf/common

Coverage

GEOGRAPHIC COVERAGE

National coverage

Although this is a national level survey, coverage of Northern and Eastern provinces was not at a sufficient level of response due to the prevailing situation in this area.

The coverage was also limited because of the fact that there was no complete list of establishments for the whole country at the time of the survey.

UNIVERSE

The survey covered establishments with five or more paid employees in private sector and also semi-government institutions in public sector.

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
Statistics Division, Department of Labour	Ministry of Labour Relations and Manpower

FUNDING

Name	Abbreviation	Role
Government of Sri Lanka	GOSL	

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Department of Labour	DOL	Ministry of Labour Relations and Manpower	Data Collection

DATE OF METADATA PRODUCTION

2008-06-11

DDI DOCUMENT VERSION

Version 1.0 (June 2008).

DDI DOCUMENT ID

DDI-LKA-DOL-EMS-2011-v1.0

Sampling

Sampling Procedure

A complete list of establishments (survey frame) was available at the time of the first survey started in 1971. This list was compiled along with the list of buildings in the country prepared for the Census of Population and Housing 1971. There were about 22,500 establishments with 5 or more paid employees and thereafter this survey frame was updated annually, taking new registrations from the Employees Provident Fund lists.

Construction of indices:

Index numbers of employment are calculated with 1971 as the base year, and using the link relative method. Indices are computed for each major industry division,

Weighting of sample results:

The employment estimates are not weighted

Adjustments:

Non response : there are no adjustments for non response

Other bias : no adjustments have been made for any other bias.

Use of bench mark data : none

Seasonal variations : not relevant

Indicators of reliability of the estimates :

Coverage of the sampling frame : coverage is limited, as there is no complete list of establishments for the whole country.

Sampling error/Sampling variance : not relevant

Non response rate :

Non sampling errors : the main known source of bias is the limited coverage of the survey due to the lack of a complete list of establishments for the whole country

Deviations from Sample Design

The coverage of the survey was badly affected due to the limiting factors such as the non availability of a complete list of establishments for the whole country and the nature of the method of data collection (postal survey method).

Response Rate

66.1% of the establishments responded.

Questionnaires

Overview

The questionnaire used in the Annual Employment Survey consists of three parts.

They are :

1. Establishment particulars
2. Classification of employees
3. Occupational category

The questionnaire was printed in Sinhala, Tamil and English.

Data Collection

Data Collection Dates

Start	End	Cycle
2011-07-01	2011-07-31	N/A

Data Collection Mode

Mail Questionnaire [mail]

DATA COLLECTION NOTES

1. Schedules were posted in the months of July/August.
2. Reminders were sent to the non-responding establishments in September
3. Parallel to the postal questionnaire, DCS officers visited the non-responding institutions to collect data.
4. The data collection procedure continued till December.

SUPERVISION

Two Statistical officers were engaged in the supervision activities pertaining to sending and receiving the questionnaires, coding and tabulation of data.

Data Processing

Data Editing

An edit program was run to edit the raw data files.

Depending on the absence or presence of errors, the records in the raw data file were separated into an error free file and a rejects file respectively. From the rejects file, a error report was generated indicating the reason for rejection of each record. The errors were checked and manually corrected on the report by referring to the questionnaire. Based on the corrected report, error records were updated by data entry operators.

The edit program was run again to edit the rejects file and the error free records were added to the error free file. If the rejects file was not empty the edit process was repeated.

Other Processing

The whole Data processing cycle consists of the following steps.

1. Accepting the filled questionnaires
2. Do a visual check for completeness
3. Preliminary editing and coding
4. Entry of data

5. Editing - Run edit program
6. Editing - Produce error report and return to the Statistical Division of the Labour Department.
7. Editing - Correction of errors on the edit printout.
8. Editing - Change incorrect data using the corrected error printout
9. Editing - Re-run the edit program and repeat the error correction procedure

10. Consolidation of edited data files to prepare the Master file and re-coding of variables needed for analysis.
11. Produce final tables specified by the Statistical Division of the Labour Department..

Data Appraisal

No content available

File Description

Variable List

EMS 2011

Content	
Cases	5023
Variable(s)	46
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V117	SRNUM	Serial Number	contin	numeric	
V118	SEC	Sector	discrete	numeric	
V119	DIST	District	contin	numeric	
V120	DSARA	District Area	contin	numeric	
V121	INDU	Industry	contin	numeric	
V122	CORP	Cooperation	contin	numeric	
V123	XX	XX	discrete	numeric	
V124	SPER	Permanent Sri Lankan	contin	numeric	
V125	STEMP	Temporary Sri Lankan	contin	numeric	
V126	SCASUAL	Casual Sri Lankan	contin	numeric	
V127	SLEARN	Learners and Apprentices Sri Lankan	contin	numeric	
V128	NSPER	Permanent Non Sri Lankan	contin	numeric	
V129	NSTEMP	Temporary Non Sri Lankan	contin	numeric	
V130	NSCASUAL	Casual Sri Lankan	contin	numeric	
V131	NSLEARN	Learners and Apprentices Sri Lankan	discrete	numeric	
V132	ADMAD	Administrative Male Adults	contin	numeric	
V133	ADFAD	Administrative Female Adults	contin	numeric	
V134	ADMB18	Administrative Male Under 18 Years	contin	numeric	
V135	ADFB18	Administrative Female Under 18 Years	discrete	numeric	
V136	PROMAD	Professional Male Adults	contin	numeric	
V137	PROFAD	Professional Female Adults	contin	numeric	
V138	PROMB18	Professional Male Under 18 Years	contin	numeric	
V139	PROFB18	Professional Female Under 18 Years	contin	numeric	
V140	CLEMAD	Clerical Male Adults	contin	numeric	
V141	CLEFAD	Clerical Female Adults	contin	numeric	
V142	CLEMB18	Clerical Male Under 18 Years	contin	numeric	
V143	CLEFB18	Clerical Female Under 18 Years	contin	numeric	
V144	SALMAD	Sale Workers Male Adults	contin	numeric	

ID	Name	Label	Type	Format	Question
V145	SALFAD	Sale Workers Female Adults	contin	numeric	
V146	SALMB18	Sale Workers Male Under 18 Years	contin	numeric	
V147	SALFB18	Sale Workers Female Under 18 Years	discrete	numeric	
V148	SUPMAD	Supervisors Male Adults	contin	numeric	
V149	SUPFAD	Supervisors Female Adults	contin	numeric	
V150	SUPMB18	Supervisors Male Under 18 Years	discrete	numeric	
V151	SUPFB18	Supervisors Female Under 18 Years	discrete	numeric	
V152	SKIMAD	Skilled & Semi skilled Male Adults	contin	numeric	
V153	SKIFAD	Skilled & Semi skilled Female Adults	contin	numeric	
V154	SKIMB18	Skilled & Semi skilled Male Under 18 Years	contin	numeric	
V155	SKIFB18	Skilled & Semi skilled Female Under 18 Years	contin	numeric	
V156	UNSMAD	Unskilled Male Adults	contin	numeric	
V157	UNSFAD	Unskilled Female Adults	contin	numeric	
V158	UNSMB18	Unskilled Male Under 18 Years	contin	numeric	
V159	UNSF18	Unskilled Female Under 18 Years	contin	numeric	
V160	YEAR1	YEAR1	contin	numeric	
V161	YEAR2	YEAR2	contin	numeric	
V162	YEAR3	YEAR3	discrete	numeric	

Serial Number (SRNUM)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 5023
Format: numeric	Invalid: 0
Width: 5	Minimum: 1
Decimals: 0	Maximum: 9999
Range: 1-9999	Mean: 2517.2
	Standard deviation: 1455.9

Sector (SEC)

File: EMS 2011

Overview

Type: Discrete	Valid cases: 5023
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-2	

District (DIST)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 5023
Format: numeric	Invalid: 0
Width: 2	Minimum: 11
Decimals: 0	Maximum: 92
Range: 11-92	Mean: 32.6
	Standard deviation: 27

District Area (DSARA)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 5023
Format: numeric	Invalid: 0
Width: 2	Minimum: 1
Decimals: 0	Maximum: 90
Range: 1-90	Mean: 42.3
	Standard deviation: 27.2

Industry (INDU)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 5023
Format: numeric	Invalid: 0
Width: 5	Minimum: 11140
Decimals: 0	Maximum: 96000
Range: 11140-96000	Mean: 58124
	Standard deviation: 26244.9

Cooperation (CORP)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 1363
Format: numeric	Invalid: 3660
Width: 3	Minimum: 2
Decimals: 0	Maximum: 252
Range: 2-252	Mean: 80.1
	Standard deviation: 54.5

XX (XX)

File: EMS 2011

Overview

Type: Discrete	Valid cases: 5023
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: 34-34	

Permanent Sri Lankan (SPER)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 4862
Format: numeric	Invalid: 161
Width: 5	Minimum: 0
Decimals: 0	Maximum: 11054
Range: 0-11054	Mean: 102.6
	Standard deviation: 314.8

Temporary Sri Lankan (STEMP)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 1897
Format: numeric	Invalid: 3126
Width: 4	Minimum: 0
Decimals: 0	Maximum: 693
Range: 0-693	Mean: 24.1
	Standard deviation: 58.9

Casual Sri Lankan (SCASUAL)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 1497
Format: numeric	Invalid: 3526
Width: 4	Minimum: 0
Decimals: 0	Maximum: 3139
Range: 0-3139	Mean: 29.4
	Standard deviation: 115.8

Learners and Apprentices Sri Lankan (SLEARN)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 1279
Format: numeric	Invalid: 3744
Width: 4	Minimum: 0
Decimals: 0	Maximum: 791
Range: 0-791	Mean: 10.7
	Standard deviation: 42.2

Permanent Non Sri Lankan (NSPER)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 175
Format: numeric	Invalid: 4848
Width: 4	Minimum: 0
Decimals: 0	Maximum: 466
Range: 0-466	Mean: 8.7
	Standard deviation: 38.9

Temporary Non Sri Lankan (NSTEMP)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 66
Format: numeric	Invalid: 4957
Width: 4	Minimum: 0
Decimals: 0	Maximum: 353
Range: 0-353	Mean: 9.3
	Standard deviation: 45.1

Casual Sri Lankan (NSCASUAL)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 29
Format: numeric	Invalid: 4994
Width: 4	Minimum: 0
Decimals: 0	Maximum: 308
Range: 0-308	Mean: 17.6
	Standard deviation: 59.1

Learners and Apprentices Sri Lankan (NSLEARN)

File: EMS 2011

Overview

Type: Discrete	Valid cases: 20
Format: numeric	Invalid: 5003
Width: 4	
Decimals: 0	
Range: 0-4	

Administrative Male Adults (ADMAD)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 3749
Format: numeric	Invalid: 1274
Width: 4	Minimum: 0
Decimals: 0	Maximum: 730
Range: 0-730	Mean: 6.1
	Standard deviation: 24

Administrative Female Adults (ADFAD)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 1783
Format: numeric	Invalid: 3240
Width: 4	Minimum: 0
Decimals: 0	Maximum: 809
Range: 0-809	Mean: 5.2
	Standard deviation: 27.2

Administrative Male Under 18 Years (ADMB18)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 23
Format: numeric	Invalid: 5000
Width: 4	Minimum: 0
Decimals: 0	Maximum: 21
Range: 0-21	Mean: 2.6
	Standard deviation: 5.8

Administrative Female Under 18 Years (ADFB18)

File: EMS 2011

Overview

Type: Discrete	Valid cases: 19
Format: numeric	Invalid: 5004
Width: 4	
Decimals: 0	
Range: 0-2	

Professional Male Adults (PROMAD)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 2321
Format: numeric	Invalid: 2702
Width: 4	Minimum: 0
Decimals: 0	Maximum: 1588
Range: 0-1588	Mean: 21.9
	Standard deviation: 71.2

Professional Female Adults (PROFAD)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 1414
Format: numeric	Invalid: 3609
Width: 4	Minimum: 0
Decimals: 0	Maximum: 1331
Range: 0-1331	Mean: 18
	Standard deviation: 74.3

Professional Male Under 18 Years (PROMB18)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 30
Format: numeric	Invalid: 4993
Width: 4	Minimum: 0
Decimals: 0	Maximum: 452
Range: 0-452	Mean: 18.8
	Standard deviation: 82.2

Professional Female Under 18 Years (PROFB18)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 24
Format: numeric	Invalid: 4999
Width: 4	Minimum: 0
Decimals: 0	Maximum: 40
Range: 0-40	Mean: 4
	Standard deviation: 11

Clerical Male Adults (CLEMAD)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 3587
Format: numeric	Invalid: 1436
Width: 4	Minimum: 0
Decimals: 0	Maximum: 1620
Range: 0-1620	Mean: 14.3
	Standard deviation: 49.5

Clerical Female Adults (CLEFAD)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 3533
Format: numeric	Invalid: 1490
Width: 4	Minimum: 0
Decimals: 0	Maximum: 1562
Range: 0-1562	Mean: 11.6
	Standard deviation: 48.1

Clerical Male Under 18 Years (CLEMB18)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 34
Format: numeric	Invalid: 4989
Width: 4	Minimum: 0
Decimals: 0	Maximum: 85
Range: 0-85	Mean: 6.5
	Standard deviation: 15.7

Clerical Female Under 18 Years (CLEFB18)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 23
Format: numeric	Invalid: 5000
Width: 4	Minimum: 0
Decimals: 0	Maximum: 25
Range: 0-25	Mean: 1.8
	Standard deviation: 5.3

Sale Workers Male Adults (SALMAD)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 1080
Format: numeric	Invalid: 3943
Width: 4	Minimum: 0
Decimals: 0	Maximum: 506
Range: 0-506	Mean: 17.1
	Standard deviation: 39.7

Sale Workers Female Adults (SALFAD)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 589
Format: numeric	Invalid: 4434
Width: 4	Minimum: 0
Decimals: 0	Maximum: 209
Range: 0-209	Mean: 14.2
	Standard deviation: 23.4

Sale Workers Male Under 18 Years (SALMB18)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 27
Format: numeric	Invalid: 4996
Width: 4	Minimum: 0
Decimals: 0	Maximum: 35
Range: 0-35	Mean: 3.1
	Standard deviation: 7.7

Sale Workers Female Under 18 Years (SALFB18)

File: EMS 2011

Overview

Type: Discrete	Valid cases: 21
Format: numeric	Invalid: 5002
Width: 4	
Decimals: 0	
Range: 0-13	

Supervisors Male Adults (SUPMAD)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 1211
Format: numeric	Invalid: 3812
Width: 4	Minimum: 0
Decimals: 0	Maximum: 675
Range: 0-675	Mean: 14.3
	Standard deviation: 42.6

Supervisors Female Adults (SUPFAD)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 480
Format: numeric	Invalid: 4543
Width: 4	Minimum: 0
Decimals: 0	Maximum: 537
Range: 0-537	Mean: 7.9
	Standard deviation: 32.9

Supervisors Male Under 18 Years (SUPMB18)

File: EMS 2011

Overview

Type: Discrete	Valid cases: 21
Format: numeric	Invalid: 5002
Width: 4	
Decimals: 0	
Range: 0-15	

Supervisors Female Under 18 Years (SUPFB18)

File: EMS 2011

Overview

Type: Discrete	Valid cases: 16
Format: numeric	Invalid: 5007
Width: 4	
Decimals: 0	
Range: 0-1	

Skilled & Semi skilled Male Adults (SKIMAD)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 2818
Format: numeric	Invalid: 2205
Width: 4	Minimum: 0
Decimals: 0	Maximum: 4553
Range: 0-4553	Mean: 37.9
	Standard deviation: 157.7

Skilled & Semi skilled Female Adults (SKIFAD)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 1588
Format: numeric	Invalid: 3435
Width: 4	Minimum: 0
Decimals: 0	Maximum: 2300
Range: 0-2300	Mean: 49.8
	Standard deviation: 165.1

Skilled & Semi skilled Male Under 18 Years (SKIMB18)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 58
Format: numeric	Invalid: 4965
Width: 4	Minimum: 0
Decimals: 0	Maximum: 447
Range: 0-447	Mean: 20.9
	Standard deviation: 78.9

Skilled & Semi skilled Female Under 18 Years (SKIFB18)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 57
Format: numeric	Invalid: 4966
Width: 4	Minimum: 0
Decimals: 0	Maximum: 236
Range: 0-236	Mean: 17.7
	Standard deviation: 37.1

Unskilled Male Adults (UNSMAD)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 2118
Format: numeric	Invalid: 2905
Width: 4	Minimum: 0
Decimals: 0	Maximum: 3150
Range: 0-3150	Mean: 43.9
	Standard deviation: 138.7

Unskilled Female Adults (UNSFAD)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 1359
Format: numeric	Invalid: 3664
Width: 4	Minimum: 0
Decimals: 0	Maximum: 1322
Range: 0-1322	Mean: 52.9
	Standard deviation: 118

Unskilled Male Under 18 Years (UNSMB18)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 41
Format: numeric	Invalid: 4982
Width: 4	Minimum: 0
Decimals: 0	Maximum: 525
Range: 0-525	Mean: 48.4
	Standard deviation: 117.3

Unskilled Female Under 18 Years (UNSF18)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 31
Format: numeric	Invalid: 4992
Width: 4	Minimum: 1
Decimals: 0	Maximum: 83
Range: 1-83	Mean: 16.4
	Standard deviation: 22.4

YEAR1 (YEAR1)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 1465
Format: numeric	Invalid: 3558
Width: 4	Minimum: 0
Decimals: 0	Maximum: 9999
Range: 0-9999	Mean: 560.6
	Standard deviation: 879.1

YEAR2 (YEAR2)

File: EMS 2011

Overview

Type: Continuous	Valid cases: 2
Format: numeric	Invalid: 5021
Width: 4	Minimum: 0
Decimals: 0	Maximum: 29
Range: 0-29	Mean: 14.5
	Standard deviation: 20.5

YEAR3 (YEAR3)

File: EMS 2011

Overview

Type: Discrete
Format: numeric
Width: 4
Decimals: 0
Range: 0-0

Valid cases: 1
Invalid: 5022

Related Materials

Questionnaires

Employment Survey Questionnaire

Title Employment Survey Questionnaire
Filename Employment Survey Questionnaire.pdf

Reports

Study Documentation EMS 2011 Project

Title Study Documentation EMS 2011 Project
Filename Study Documentation EMS 2011 Project.pdf

Technical documents

Industrial Classification Codes

Title Industrial Classification Codes
Filename Industrial Classification Codes.pdf

Data Dictionary of Employment Survey 2006

Title Data Dictionary of Employment Survey 2006
Filename Data Dictionary of Employment Survey 2006.pdf
