

South Africa - OHS-GHS Cross Entropy Weights 1995-2011

Amy Thornton, Martin Wittenberg

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Visit our data portal at: <https://www.datafirst.uct.ac.za/dataportal/index.php>

Overview

Identification

ID NUMBER

zaf-df-ohs-ghs-cew-1995-2011-v1

Version

VERSION DESCRIPTION

Version 1: Edited, anonymised dataset for public distribution

PRODUCTION DATE

2022-02-10

Overview

ABSTRACT

The OHS-GHS CEW series consists of a set of survey weights constructed by Amy Thornton and Martin Wittenberg for the OHSs 1995-1999 and GHSs 2002-2011. The weights were constructed in order to address known weaknesses with the weights in the StatsSA public releases of the same datasets.

KIND OF DATA

Survey Weights

UNITS OF ANALYSIS

Households and individuals

Coverage

GEOGRAPHIC COVERAGE

The OHS and GHS had national coverage

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
Amy Thornton	University of Cape Town
Martin Wittenberg	University of Cape Town

OTHER PRODUCER(S)

Name	Affiliation	Role
Statistics South Africa	Government of South Africa	Producer of the original data

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
DataFirst		University of Cape Town	Metadata producer

DATE OF METADATA PRODUCTION

2022-02-14

DDI DOCUMENT VERSION

Version 2

Sampling

No content available

Questionnaires

No content available

Data Collection

Data Collection Dates

Start	End	Cycle
1995	2011	CEW Series

Data Collection Mode

Other [oth]

Data Processing

No content available

Data Appraisal

No content available

File Description

Variable List

ohs-ghs-cew-1995-2011-v1

Content

Cases 384970

Variable(s) 3

Structure Type:
Keys: ()

Version

Producer

Missing Data

Variables

ID	NAME	LABEL	TYPE	FORMAT	QUESTION
V7	year	Year of survey	discrete	numeric	
V8	cewgt	Cross-entropy weight v4.3	contin	numeric	
V9	hhid	Original StatsSA HHID	discrete	character	

Year of survey (year)

File: ohs-ghs-cew-1995-2011-v1

Overview

Type: Discrete
 Format: numeric
 Width: 4
 Decimals: 0
 Range: 1995-2011

Valid cases: 384970
 Invalid: 0

Cross-entropy weight v4.3 (cewgt)

File: ohs-ghs-cew-1995-2011-v1

Overview

Type: Continuous
 Format: numeric
 Width: 13
 Decimals: 0
 Range: 0-67827.3359375

Valid cases: 384922
 Invalid: 48
 Minimum: 0
 Maximum: 67827.3
 Mean: 471.3
 Standard deviation: 555.6

Original StatsSA HHID (hhid)

File: ohs-ghs-cew-1995-2011-v1

Overview

Type: Discrete
 Format: character
 Width: 18

Valid cases: 384970
 Invalid: 0

Documentation

Reports

Reweighting the OHS and GHS to improve data quality

Title	Reweighting the OHS and GHS to improve data quality
subtitle	representativeness, household counts, and small households
Author(s)	Amy Thornton and Martin Wittenberg
Date	2021-01-01
Country	South Africa
Language	English
Contributor(s)	This is a Working Paper detailing the production of the Cross Entropy Weights for the October Household Surveys and General Household Surveys
Filename	2021-ohs-ghs-cew-thornton.pdf

Technical documents

Guide the OHS-GHS CEW Series

Title	Guide the OHS-GHS CEW Series
Author(s)	Amy Thornton and Martin Wittenberg
Date	2022-01-01
Country	South Africa
Language	English
Contributor(s)	This is the user guide for the Cross Entropy Weights.
Filename	ohs-ghs-cew-2011-guide.pdf
