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December 4, 2012



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SALDRU Working Paper No.90

Title: A Framework for Investigating Micro Data Quality, with Application to South African Labour Market Household Surveys
Author(s): Reza C. Daniels
Date of Publication: September 2012

| | |
|-----------------------|------------|
| Date added: | 10/25/2012 |
| Date modified: | 10/25/2012 |
| Filesize: | 489.91 kB |
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Abstract

In this paper the Total Survey Error (TSE) paradigm is combined with detailed data quality indicators to develop a framework for investigating micro data quality. The TSE framework is widely used in the survey methodology literature to identify different components of error that arise in the survey process. Consequently, it provides a very useful typology for researchers to understand which data quality issues are relevant in applied work based on these surveys. In order to demonstrate how the framework sheds light on micro data quality, two labour market household surveys conducted by Statistics South Africa are reviewed, spanning a time-frame from 1995-2007. It is argued that efforts to improve data quality should involve a virtuous interaction between producers and consumers of micro data and should be considered an evolving process. For producers of data, the preparation and publication of detailed data quality frameworks is recommended, and two examples of these frameworks are reviewed. For consumers of data, judicious analyses of the univariate, bivariate and multivariate relationships in public-use versions of the datasets can help shed light on different components of survey error, and should be communicated back to survey organisations. Ultimately, improving data quality is about being more explicit about the limitations of data production at each stage of the process, which does not stop at initial public release. This is a joint SALDRU and DataFirst working paper.

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Preliminary Works

- Situation Analysis
 - Shortcomings of existing solution
 - Investigation of possible solutions
- Existing Solution: Joomla
 - DOCman
 - PDF Indexer
 - RePEc local archive
- Proposed Solution: DSpace
 - Perfect for IRs
 - Standards-based (TBD)
 - Interoperability (open content, research portal, et al.)
 - Extensibility (TBD)
 - Relatively easy to work with
 - Everyone's using DSpace :)

Initial Theme

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[Revisiting the 'crisis' in teen births: What is the impact of teen births on young mothers and their children?](#)

Menendez, Alicia; Branson, Nicola; Lam, David; Ardington, Cally; Leibbrandt, Murray (Southern African Labour and Development Research Unit, 2011-12)

[Concurrent sexual partnerships and sexually transmitted diseases among African men in Cape Town, South Africa](#)

Maughan-Brown, Brendan (Centre for Social Science Research University of Cape Town, 2011-11)

[Ethnic Solidarity and the Individual Determinants of Ethnic Identification](#)

Bossuroy, Thomas (Centre for Social Science Research University of Cape Town, 2011-11)

Conceptual Design

The screenshot displays the SALDRU website interface. At the top, there is a search bar with the text "Search the document." and navigation icons. Below this is the SALDRU logo, which includes the text "SALDRU southern africa labour and development research unit UNIVERSITY OF CAPE TOWN" and an illustration of a person working. To the right is the University of Cape Town crest. A dark blue navigation bar contains the following menu items: PUBLICATIONS, PROJECTS, SURVEYS, TRAINING, PEOPLE, and ABOUT SALDRU.

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Recent submissions

[Revisiting the 'crisis' in teen births: What is the impact of teen births on young mothers and their children?](#)
Menendez, Alicia; Branson, Nicola; Lam, David; Ardington, Cally; Leibbrandt, Murray (Southern African Labour and Development Research Unit. 2011-12)

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Revisiting the 'crisis' in teen births: What is the impact of teen births on young mothers and their children?

Menendez, Alicia; Branson, Nicola; Lam, David; Ardington, Cally; Leibbrandt, Murray (Southern African Labour and Development Research Unit, 2011-12)

Reports in the South African media consistently describe an explosion of teenage pregnancies. Yet studies by the Southern African Labour and Development Research Unit (SALDRU) at the University of Cape Town show that teen ...

Concurrent sexual partnerships and sexually transmitted diseases among African men in Cape Town, South Africa

Maughan-Brown, Brendan (Centre for Social Science Research University of Cape Town, 2011-11)

Background: Most studies that assess the relationship between concurrent sexual partnerships and sexually transmitted diseases (STDs) use dichotomous measures of whether concurrency was reported or not. However, different ...

Information Organisation

The screenshot shows the SALDRU Publications Repository website. On the left is a navigation sidebar with sections: Search OpenSALDRU (with a search box and 'Go' button), Browse (with sub-links for Date Issued, Authors, Titles, and Subjects), My Account (with sub-links for Login and Register), and Statistics. The main content area is titled 'Collections in the SALDRU Publications Repository' and includes a descriptive paragraph. Below this, three blue buttons labeled 'Briefs and Other Writings', 'Journal Articles', and 'Working Papers' are highlighted with a red rectangular border. Underneath is a 'Recently Added' section featuring a list item with a blue link: 'Revisiting the 'crisis' in teen births: What is the impact of teen births on young mothers and their children?' followed by author names and a brief description.

- Two-level hierarchical structure
 - Briefs and Other Writings
 - Policy briefs + future sub-collections
 - Journal Articles
 - Chronological (10-year period)
 - Working Papers
 - Chronological (10-year period)

Features and Functionality

- Indexing using Apache Solr search service
- Metadata encoded using qualified Dublin Core
- Interoperability
 - OAI-PMH
 - OpenSearch
- Tracking
 - Statistics
 - Google analytics
- Additional features
 - Administrative ***
- Optional features
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Indexing - Content Browsing

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Or enter first few letters:

Sort by: Order: Results:

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Assessing the Incidence of Public Works Programmes: Using Propensity Score Matching Techniques to Assess the Poverty Targeting of Employment in Two Public Works Programmes in South Africa
McCord, Anna; Wilkinson, Kate (Centre for Social Science Research University of Cape Town, 2009-04)
This paper explores the socio-economic identity of Public Works Programme (PWP) participants in two programmes in South Africa, in order to establish the incidence of PWP participation, a question which is central to ...

Assimilation of Immigrants to the Cape Town Labour Market
Jakoet, Jakoet/Author-X-Name-Last:, Jasmin (Centre for Social Science Research University of Cape Town, 2006-09)

The Car Guards of Cape Town: A Public Good Analysis
McEwen, Hayley; Leiman, Anthony (Centre for Social Science Research University of Cape Town, 2008-10)
Car guards have become a part of everyday life for drivers in Cape Town and other metropolitan centres around South Africa. This paper analyses the development and economic functioning of the industry with the understanding ...

Concurrent sexual partnerships and sexually transmitted diseases among African men in Cape Town, South Africa
Maughan-Brown, Brendan (Centre for Social Science Research University of Cape Town, 2011-11)
Background: Most studies that assess the relationship between concurrent sexual partnerships and sexually transmitted diseases (STDs) use dichotomous measures of whether concurrency was reported or not. However, different ...

Early childbearing, human capital attainment and mortality risk
Ardington, Cally; Menendez, Alicia; Mutevedzi, Tinofa (Centre for Social Science Research University of Cape Town, 2011-03)
This paper uses a rich longitudinal dataset to examine the relationship between teen fertility and both subsequent educational outcomes and mortality risk in rural South Africa. Human capital deficits among teen mothers ...

Education and Youth Unemployment in South Africa
Lam, David; Leibbrandt, Murray; Mlatsheni, Cecl (Centre for Social Science Research University of Cape Town, 2008-09)

Indexing - Content Searching

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Results/page: 10 ▾ Sort items by: relevance ▾ in order: descending ▾

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Health outcomes for children born to teen mothers in Cape Town, South Africa
Branson, Nicola; Ardington, Cally; Leibbrandt, Murray (Centre for Social Science Research University of Cape Town, 2011-03)
This paper analyzes the effect of being born to a teen mother on child health outcomes in South Africa using propensity score reweighting. Exploiting the longitudinal nature of the Cape Area Panel Study, we estimate the ...

The Labour Supply of Sex Workers in Cape Town

Indexing - Content View& Description

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Revisiting the 'crisis' in teen births: What is the impact of teen births on young mothers and their children?

Menendez, Alicia; Branson, Nicola; Lam, David; Ardington, Cally; Leibbrandt, Murray

URI: <http://hdl.handle.net/123456789/20>

Date: 2011-12

Abstract:

Reports in the South African media consistently describe an explosion of teenage pregnancies. Yet studies by the Southern African Labour and Development Research Unit (SALDRU) at the University of Cape Town show that teen childbearing in the country has decreased from 30% in 1984 to 23% in 2008. The proportion of young teens giving birth has also decreased, with young women aged 18 and 19 accounting for the majority of teen births. However, SALDRU's research shows that teenage childbearing has a significant impact on the education of teenage mothers, and on the health and education of their children. Young mothers under 17 years are particularly at risk. It is therefore essential to delay the age at which young women first give birth, and to strengthen support services for teenage mothers and their children.

Description:

This policy brief was developed with assistance from Lake, L. & Smith, C. of the Children's Institute (UCT), with thanks to Hall, K., Proudlock, P., Jamieson, L., Pendlebury, S. & Meintjes, H. for assistance with the policy implications.

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Top country views

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| South Africa | 18 |
| Spain | 1 |
| Zambia | 1 |

Top cities views

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| Cape Town | 18 |
| Corral De Almaguer | 1 |
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TODO List

- Handle Server integration
- Local RePEc archive changes
- Website integration
 - OpenSearch
- Addons
 - Bibliography export ***
 - Google Analytics
- Bug fixes ***