

South Africa - Cape Town RSC Levy Firm Panel Data 2000-2006

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

Overview

Identification

ID NUMBER

zaf-ctcc-ctrlfpd-2000-2006-v1

Version

VERSION DESCRIPTION

v1: Data accessible through the Secure Data Service

PRODUCTION DATE

2015-06-29

NOTES

Secure variables available in this dataset include:

Post code for firms' street address (trinstpcde)

Magisterial District where the firm is located (magdistric)

Cadastral number of the firm from a separate GIS survey (cadastralno)

Overview

ABSTRACT

Until 2006 metropolitan and district councils in South Africa, which were previously called Regional Services Councils (RSC), were permitted to raise revenue by taxing firms that operated within the council area. The City of Cape Town taxed firms based on their turnover and wage bill but also used the administration of the RSC levy, as the tax was called, to create an administrative dataset of firms. The city used this data to calculate Gross Geographic product and produce a number of reports on the local economy (cf City of Cape Town 2001).

The City undertook a survey of all firms on the RSC tax database in 2000 and linked the firms to location based GIS data. The RSC data is thus a mixture of administrative and survey data. The dataset covers the period 2000 to 2006.

In theory any enterprise employing at least 1 worker or with a revenue of R10 000 a year was supposed to pay the RSC levy and thus be included in the database. Thus this dataset should be a census of all formal firms operating with the city of Cape Town during the period covered, except the very smallest self-employed operators. In practice, however those familiar with the RSC have said that there was evasion of the tax, with a possible 30% of firms evading.

Around two thirds of the active firms in 2000 responded to this survey. Some of this survey data (particularly employment) was supposed to be updated every year but in practice we only have useable survey data for the first year of the panel. Much of the employment data was imputed in subsequent years and cannot be used. New entrants were captured in the database but some of the survey information is not available for these firms.

The project to create this research dataset was made possible by an exploratory grant obtained by Andrew Kerr and Martin Wittenberg of DataFirst from the Private Enterprise Development in Low-Income Countries (PEDL) research initiative. PEDL is a joint research initiative of the Centre for Economic Policy Research (CEPR) and the UK Department For International Development (DFID). It aims to develop a research programme focusing on private-sector development in low-income countries.

Scope

NOTES

Data collected every year for the firm levy database included the firm type, wage bill and revenue of each firm, as well as whether the firm had exited and when this exit took place.

The 2000 survey collected data on age and size of firm, exporter status and use of IT in the firm, as well as data on sub-contracting and outsourcing.

Coverage

GEOGRAPHIC COVERAGE

The data covers the Metropolitan area of Cape Town. The data is available with firm-level GPS coordinates

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
Andrew Kerr	DataFirst, University of Cape Town

OTHER PRODUCER(S)

Name	Affiliation	Role
Cape Town City Council		Original collectors and depositors of the data

FUNDING

Name	Abbreviation	Role
Private Enterprise Development in Low Income Countries	PEDL	Funder

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
DataFirst		University of Cape Town	Metadata producer

DATE OF METADATA PRODUCTION

2017-03-08

DDI DOCUMENT VERSION

Version 2

Sampling

No content available

Questionnaires

No content available

Data Collection

Data Collection Dates

Start	End	Cycle
2000	2006	N/A

Data Collection Mode

Other [oth]

Data Collection Notes

Data was collected by the Cape Town City Council as administrative records and in 2000 with a survey. Creating this research dataset was made possible through an Exploratory Research Grant (ERG) for the project "Exploring Dynamics in South African firms" from Private Enterprise Development in Low Income Countries (PEDL).

Data Collectors

Name	Abbreviation	Affiliation
Cape Town City Council	CTCC	

Data Processing

No content available

Data Appraisal

No content available

File Description

Variable List

rscdataforSRDC-s12

Content

Cases 352789

Variable(s) 21

Structure Type:
Keys: ()

Version

Producer

Missing Data

Variables

ID	Name	Label	Type	Format	Question
V19	firמיד	firm identifier	contin	numeric	
V20	year	Financial year, running from July 1999 to June 2000 etc	discrete	numeric	
V21	surveyed	dummy, =1 if firm was surveyed in 2000/2001	discrete	numeric	
V22	weight	Weight to account for survey non-response	contin	numeric	
V23	revenue	firm revenue in the financial year	contin	numeric	
V24	wagebill	firm wage bill in the financial year	contin	numeric	
V25	siccode	SIC code of major product/good/service provided	discrete	character	
V26	totemploy	Total number of employees within the city, 2000 only	contin	numeric	
V27	trinstpcde	Post code for firm's street address	contin	numeric	
V28	magdistric	Magisterial district where firm is located	discrete	character	
V29	typebusine	Type of business	discrete	numeric	
V30	estypeorg	Type of organisation	discrete	character	
V31	exportgoods	Does the firm export goods, from survey	discrete	character	
V32	exportservices	Does the firm export services, from survey	discrete	character	
V33	essubcontr	Does company usually sub-contract or outsource work	discrete	character	
V34	cadastralno	cadastral number from separate GIS survey	discrete	character	
V35	liquiddatestr	Date of liquidation	discrete	character	
V36	suspendatestr	Date of suspension	discrete	character	
V37	exit	exit indicator based derived from wage bill+turnover	discrete	numeric	
V38	age	Firm age, from survey	contin	numeric	
V39	entry	an indicator of entry derived from wage bill+turnover	discrete	numeric	

firm identifier (firmid)

File: rscdataforSRDC-s12

Overview

Type: Continuous	Valid cases: 352788
Format: numeric	Invalid: 1
Width: 6	Minimum: 11
Decimals: 0	Maximum: 805372
Range: 11-805372	Mean: 223638.5
	Standard deviation: 106749.5

Financial year, running from July 1999 to June 2000 etc (year)

File: rscdataforSRDC-s12

Overview

Type: Discrete	Valid cases: 352789
Format: numeric	Invalid: 0
Width: 4	
Decimals: 0	
Range: 2000-2006	

dummy, =1 if firm was surveyed in 2000/2001 (surveyed)

File: rscdataforSRDC-s12

Overview

Type: Discrete	Valid cases: 35992
Format: numeric	Invalid: 316797
Width: 1	
Decimals: 0	
Range: 0-1	

Weight to account for survey non-response (weight)

File: rscdataforSRDC-s12

Overview

Type: Continuous	Valid cases: 140799
Format: numeric	Invalid: 211990
Width: 1	Minimum: 1
Decimals: 0	Maximum: 4
Range: 1-4	Mean: 1.5
	Standard deviation: 0.3

firm revenue in the financial year (revenue)

File: rscdataforSRDC-s12

Overview

Type: Continuous	Valid cases: 339522
Format: numeric	Invalid: 13267
Width: 11	Minimum: 0
Decimals: 0	Maximum: 13481176518
Range: 0-13481176518	Mean: 5903078.9
	Standard deviation: 74225106.2

firm wage bill in the financial year (wagebill)

File: rscdataforSRDC-s12

Overview

Type: Continuous	Valid cases: 339545
Format: numeric	Invalid: 13244
Width: 10	Minimum: 0
Decimals: 0	Maximum: 2839252425
Range: 0-2839252425	Mean: 1014276.3
	Standard deviation: 15862033

SIC code of major product/good/service provided (siccode)

File: rscdataforSRDC-s12

Overview

Type: Discrete	Valid cases: 352789
Format: character	Invalid: 0
Width: 5	

Total number of employees within the city, 2000 only (totemploy)

File: rscdataforSRDC-s12

Overview

Type: Continuous	Valid cases: 39976
Format: numeric	Invalid: 312813
Width: 6	Minimum: 0
Decimals: 0	Maximum: 420000
Range: 0-420000	Mean: 21.8
	Standard deviation: 2103.4

Post code for firm's street address (trinstpcde)

File: rscdataforSRDC-s12

Overview

Type: Continuous	Valid cases: 352788
Format: numeric	Invalid: 1
Width: 4	Minimum: 0
Decimals: 0	Maximum: 9999
Range: 0-9999	Mean: 7438.3
	Standard deviation: 1360.5

Magisterial district where firm is located (magdistric)

File: rscdataforSRDC-s12

Overview

Type: Discrete	Valid cases: 352769
Format: character	Invalid: 0
Width: 2	

Type of business (typebusine)

File: rscdataforSRDC-s12

Type of business (typebusine)

File: rscdataforSRDC-s12

Overview

Type: Discrete
 Format: numeric
 Width: 1
 Decimals: 0
 Range: 1-7

Valid cases: 352785
 Invalid: 4

Type of organisation (estypeorg)

File: rscdataforSRDC-s12

Overview

Type: Discrete
 Format: character
 Width: 3

Valid cases: 206565
 Invalid: 0

Does the firm export goods, from survey (exportgoods)

File: rscdataforSRDC-s12

Overview

Type: Discrete
 Format: character
 Width: 1

Valid cases: 206565
 Invalid: 0

Does the firm export services, from survey (exportservices)

File: rscdataforSRDC-s12

Overview

Type: Discrete
 Format: character
 Width: 1

Valid cases: 206565
 Invalid: 0

Does company usually sub-contract or outsource work (essubcontr)

File: rscdataforSRDC-s12

Overview

Type: Discrete
 Format: character
 Width: 1

Valid cases: 206565
 Invalid: 0

cadastral number from separate GIS survey (cadastralno)

File: rscdataforSRDC-s12

Overview

Type: Discrete
 Format: character
 Width: 21

Valid cases: 165312
 Invalid: 0

Date of liquidation (liquiddatestr)

File: rscdataforSRDC-s12

Overview

Type: Discrete	Valid cases: 352789
Format: character	Invalid: 0
Width: 8	

Date of suspension (suspendatestr)

File: rscdataforSRDC-s12

Overview

Type: Discrete	Valid cases: 352789
Format: character	Invalid: 0
Width: 8	

exit indicator based derived from wage bill+turnover (exit)

File: rscdataforSRDC-s12

Overview

Type: Discrete	Valid cases: 8117
Format: numeric	Invalid: 344672
Width: 1	
Decimals: 0	
Range: 1-1	

Firm age, from survey (age)

File: rscdataforSRDC-s12

Overview

Type: Continuous	Valid cases: 126814
Format: numeric	Invalid: 225975
Width: 3	Minimum: -2
Decimals: 0	Maximum: 206
Range: -2-206	Mean: 15.2
	Standard deviation: 16.8

an indicator of entry derived from wage bill+turnover (entry)

File: rscdataforSRDC-s12

Overview

Type: Discrete	Valid cases: 11782
Format: numeric	Invalid: 341007
Width: 1	
Decimals: 0	
Range: 1-1	