Centre for Higher Education Transformation (CHET) Knowledge and Data Management

Nairobi
15 May 2013
Online open access repository on African HE
A Framework for a long term vision for Botswana
Government document (framework, policy, planning, strategy, etc.)
1996

TEC Policy & Planning Brief 1: Tertiary Education to be reformed
Government document (framework, policy, planning, strategy, etc.)

Botswana Tertiary Education Sector Strategy (2009-2016)
Government document (framework, policy, planning, strategy, etc.)
2010

Higher Education in the Southern African Region: Current trends, challenges, and recommendations
Presentation/interview/lecture/speech
2012
CHET Open Data on Higher Education in South Africa

Higher Education Management Information System (HEMIS) Database

23 public universities

Consultants

HE Studies Researchers
South African Higher Education

OPEN DATA

Higher education performance indicators data
Performance indicators 2000 to 2011

Online performance indicator data that enables university councils to better assess their performance relative to DHET targets, to their own institutional targets and to the performance of their peers. This data tool is also of use to higher education researchers, analysts, policy-makers and other decision-makers seeking a more detailed, empirically based picture of South African higher education.

FEATURES

- Open data from HEMIS – no access or subscription fees
- Data cleaned and verified
- Data across 20 performance indicators
- Annual updates
- Comparisons for up to four institutions
- Data downloadable as Excel spreadsheets
- Glossary of terms specific to each graph created
- Commenting and error reporting

South African public higher education
Key data 2013

Shape of the post-school system

Post-school enrolments by province relative to no. of post-school institutions and population size

Higher education performance indicators data
FET colleges data
High level knowledge production data
Data on a differentiated higher education system
2013 key data: South African higher education
Features of the CHET/HEMIS Data Platform

1. Online, open data – no access or subscription fees
2. Graphs generated on the fly
3. Annual updates across all 20 indicators
4. Comparisons for up to four institutions
5. Data downloadable as Excel spreadsheets or as images
6. Provides a glossary of terms relevant to each graph generated
7. Commenting and error reporting functionality
Selecting Indicator and Universities

South African higher education performance data 2000 to 2010

In order to generate a graph, follow 5 simple steps:

1. Click on "Click here to create your graph" below and select an indicator from the drop-down list which appears.
2. Narrow the indicator variables (if applicable).
3. Select up to 4 universities.
4. Generate the graph (and relevant explanatory notes/definitions).
5. View or download the graph, download the data in an Excel spreadsheet, or comment on the graph.

Select additional data and/or Universities

- Cape Peninsula University of Technology - CPUT
- Central University of Technology - CUT
- Durban University of Technology - DUT
- Mangosuthu University of Technology - MUT
- Nelson Mandela Metropolitan University - NMMU
- North-West University - NWU
- Rhodes University - Rhodes
Result: Expenditure per Graduate (3 universities)
Result: Research Output (3 universities)
Example: Glossary and Data Table

Glossary

Actual graduates
A graduate is considered to be a student who has fulfilled all the requirements of a qualification, regardless of whether or not s/he has been for by the higher education institution at a graduation ceremony.

Graduates as a % of Enrolments
This ratio is calculated by taking graduates as a proportion of the enrolments in a qualification in one given year. It is considered to be a proxy for throughput rates. An average of 20% is the norm set by the South African Dept of Education.

Graph Data

Expenditure per graduate (R '000) (R '000)

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OPEN DATA: A Brief Overview

as defined by the Open Definition:

Open data is data that can be freely used, reused and redistributed by anyone – subject only, at most, to the requirement to attribute and sharealike.
Value of Open Data

1. Improved **governance**
   → through transparency and accountability

2. Greater **efficiency**
   → based on new knowledge from data mining, analysis and comparisons
Senior scientist at IBM's research laboratory told the BBC that if they'd supplemented the mobile phone data with other datasets they could have come up with an even more sophisticated model: "If we could have merged the telco data with city data, such as the bus timetables, we could have the potential to completely change the existing network."
NHS efficiency savings: the role of prescribing analytics

The NHS has been challenged to make £20 billion in “efficiency savings” by 2015 (1). £10 billion a year are spent by the NHS on essential drugs. Often, there’s a choice between a cheap “generic” medication, or an expensive “branded” one. Branded drugs can cost over ten times as much, for the same therapeutic benefit. “Prescribing Advisors” in the NHS, with the support of NICE, encourage doctors to use the most cost effective treatments. We have analysed exactly how much is spent on expensive “branded” medicines, for one class of drugs, namely statins, in England.

Percentage of proprietary statin prescribing by CCG Sep 2011 - May 2012
Key Issues / Trends

1. Opening up more data $\rightarrow$ governments and corporations (advocacy groups & hackers)

2. Open data supply is only half the story $\rightarrow$ little is known about what is happening on the demand side

3. Re-use $\rightarrow$ (for commercial purposes) $\rightarrow$ licensing

4. Interoperability $\rightarrow$ open data standards and platforms
Open Data Platforms

Welcome to the Open Africa Data Platform
This Platform will be the largest central repository for
government, civil society, corporate and donor agency data.
This is an Ujuzi Initiative.

Data Bootcamp South Africa - Sept 5 to 7, 2012

Search Your Data
eg. Gold Prices

Popular Tags kenya kodi county

Kenya
Datasets from Kenya

IEBC Downloads
Downloads from the IEBC.org.KE

IEBC Voter Registration Centres 2012
IEBC Voter Registration Centers 2012

South Africa
Datasets from South Africa

Cape Town Budget 2012/2013
Cape Town Budget 2012/2013

Cadastral Data for Cape Town
Shape files containing property boundaries in Cape Town
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<th>Type</th>
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<tr>
<td>A</td>
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<td>African Development Bank, Country Database, 2011</td>
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<td>Education Statistics (World Bank), 2012</td>
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<td>Gender Statistics, April 2012</td>
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<td>Millennium Development Goals, September 2012</td>
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What are our peers at other universities doing?

Academic Analytics is a provider of high-quality, custom business intelligence data and solutions for research universities in the United States and the United Kingdom.

Our mission is to provide universities and university systems with objective data that administrators can use to support the strategic decision-making process as well as a method for benchmarking in comparison to other institutions. Rooted in academia, we help universities identify their strengths and areas where improvements can be made.

Through close relationships with our client institutions, our products continue to evolve based on feedback we receive. Our unique tools deliver accurate and timely data with uses as varied as the universities themselves.
UK University Facilities and Equipment Open Data

This site aggregates open data about research facilities and major items of equipment from UK Universities.

Quick Search

Enter 3 or more characters to begin search

About this Site

Development of equipment.data.ac.uk is funded by EPSRC in response to the need to improve the visibility and enable the equipment sharing discussion among UK universities. The project is supported by RCUK with the aim to deliver a national "shop window" for research equipment - enabling searching across UK HE equipment datasets.

Along with this UK HE equipment search portal, the project team can provide technical support and guidance to institutions in the process of establishing their equipment dataset and publishing. The project team is also exploring the benefits of open data publishing with the Open Data Institute and the Gateway to Research project, linking wider datasets to increase data richness. If you would like technical advice with the publishing of your equipment dataset to enable its discovery by this search function please use the contact form.

If you would like to contribute your equipment and facilities data to this dataset, please see our detailed publishing specification.

Open Data

- **Combined Data** - Comma-Separated values (Loads in Excel) - Conforms to the Uniqip standard.
- **Combined Data** - Tab-Separated values - Conforms to the Uniqip standard.
- **Combined Data** - RDF Turtle format
## Enrolment Count by Citizenship Category

<table>
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<th>Citizenship Category</th>
<th>Enrolment Count</th>
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<tbody>
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<td>Domestic</td>
<td>888,070</td>
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<tr>
<td>Overseas</td>
<td>332,938</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>1,221,008</strong></td>
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Some Implications of Open Data in Higher Education

1. Improved system and institutional governance

2. Efficiency in the research process

3. New, unexpected knowledge

4. Requirement by funders