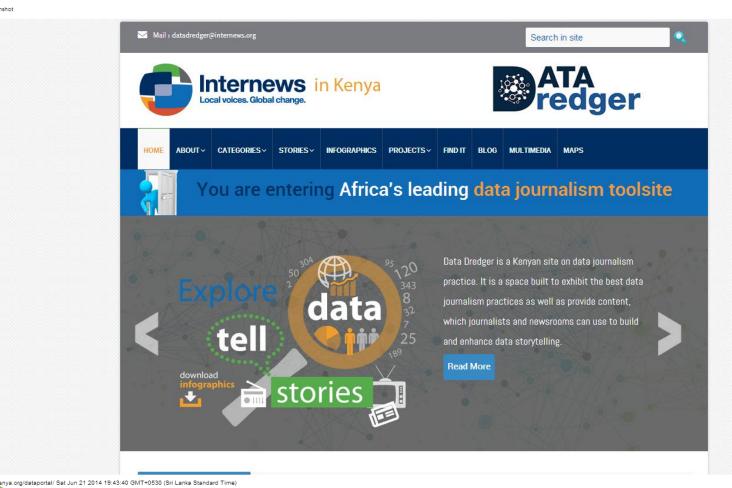
Open Data for Social Innovation

Colombo, Sri Lanka June 23, 2014

Webpage Screenshot



Who am I?

Eva Constantaras, Internews Data Journalism Advisor

<u>econstantaras@internews.org</u> @evaconstantaras Some of my projects:

- Land Quest Kenya
- The Mafia's Shadow in the Americas
- Internews Data Dredger

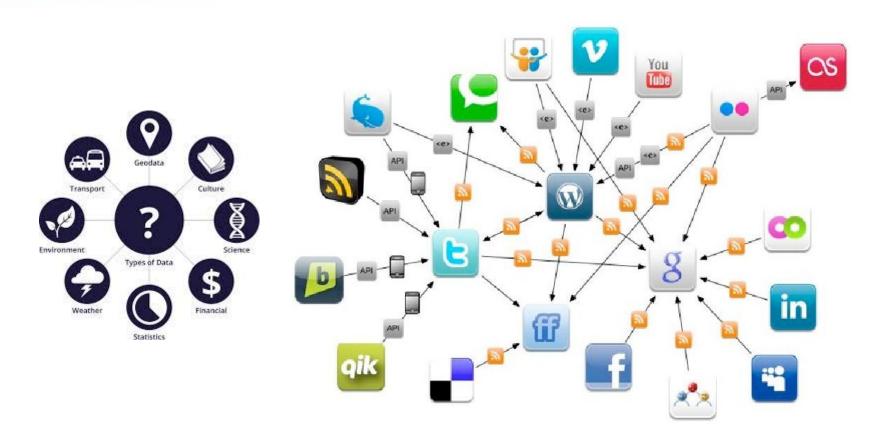


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Open Data in the Digital Age







Open Data in the Digital Age

Access to tools has been liberated (Excel, Google Spreadsheets).

Open data: governments around the world have published thousands of databases.

Trust: including open data with your projects increases transparency and builds trust between you and the audience.

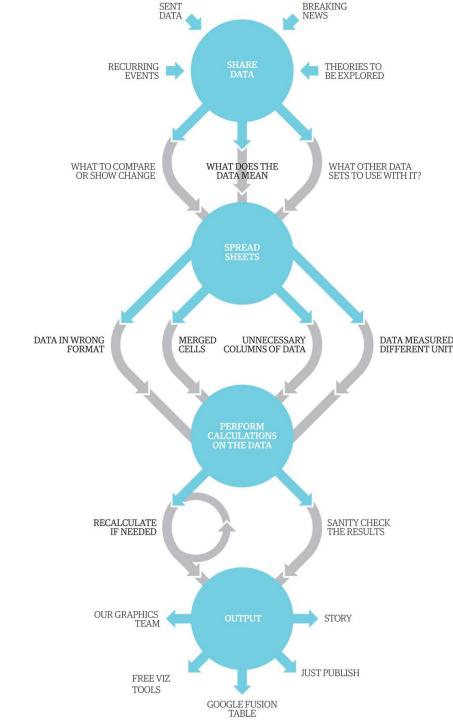
Ease of today's tools that allow anyone to make beautiful maps and visualizations without much technical knowledge.



The Open Data Process

The Guardian:

- 1. Share Data
- 2. Spread Sheets
- 3. Perform Calculations
- 4. Output

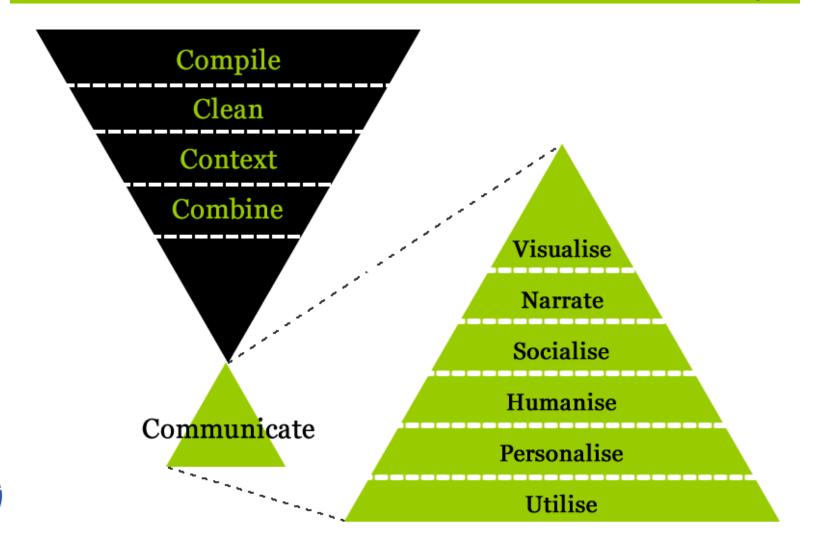




The Open Data Process

The Inverted Pyramid of Data Journalism (complete)

Paul Bradshaw, OnlineJournalism Blog.com





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Data

- Government
- INGOs
- Think Tanks
- Academia
- Private Sector



Design

- Who is your audience?
- What do you want them to learn/do or contribute?
- What is their level of graphical, data and technical literacy?



Simple design/Designer

- Infographics, charts/Graphic designer
- Interactive maps/Graphic designer, Cartographer

Advanced Design/Designer

- News app/Developer
- Phone app/Developer
- Web portal/Developer



Dissemination

- Where does your audience go for trusted news and information?
- What networks can you tap into to amplify your message? (Both online and offline)
- How have similar projects reached their audience?
- Watch out for preaching to the choir!



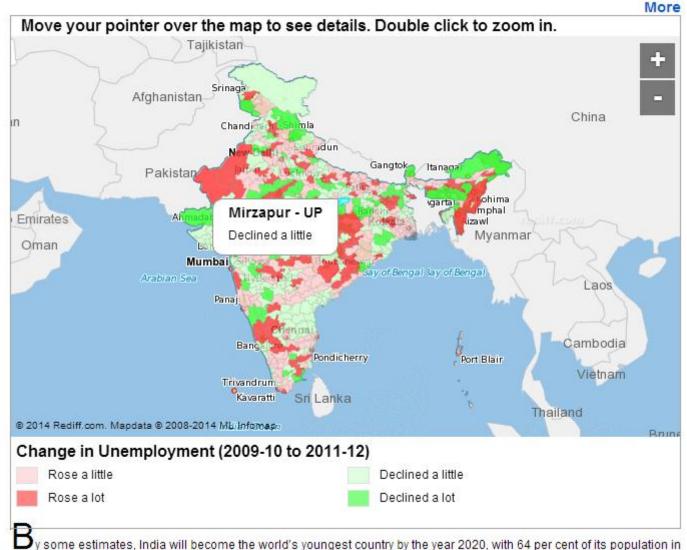
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This map tells you where unemployment is dropping the most

Last updated on: May 28, 2014 17:22 IST





some estimates, India will become the world's youngest country by the year 2020, with 64 per cent of its population in the working age group.

This map tells you where unemployment is dropping the most, Rediff News, India

Data: India's Ministry of Statistics' National Sample Survey Office. Links to data? No

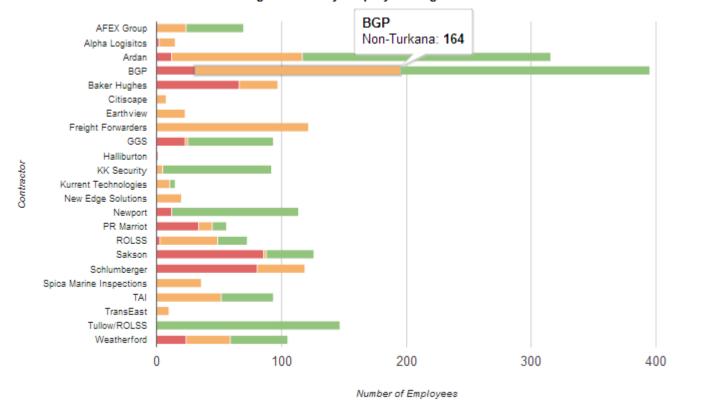
Design: Map allows for easy visual comparison. Specific unemployment numbers are not available, nor are changes in employment by sector.

Dissemination: 17th most popular Indian web portal. Superficial accompanying story, no response to story leads in comments section.





Contractor Hiring Practice by Employee Origin





<u>Tullow Oil sub-contractor employee data reveal contracting</u> <u>driven by market forces, not economic policy in Turkana,</u> Land Quest, Kenya

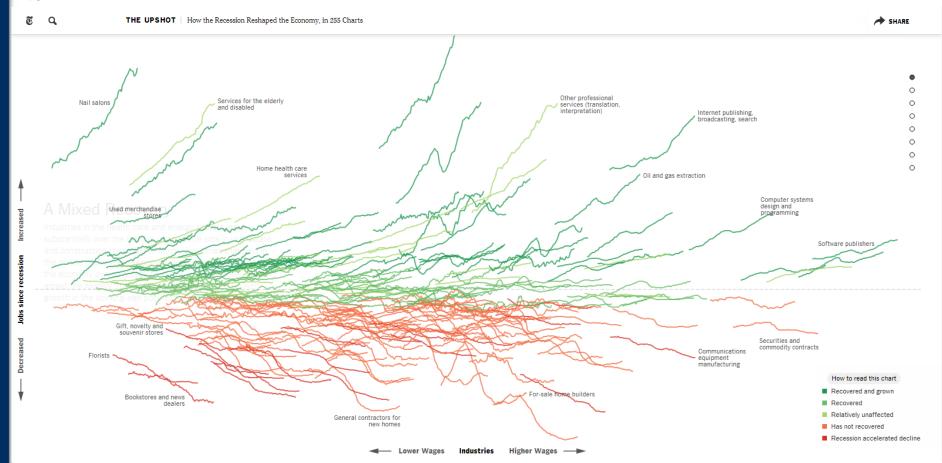
Data: Tullow Oil Kenya's subcontractor database, required by an MOU between Tullow Oil and Ministry of Energy. Links to data? Yes.

Design: Simple chart formats to illustrate hiring practices and narrative analysis.

Dissemination: Summary published by *El Mundo* in Spain. Topic considered too controversial for Kenyan media despite public debate around draft Energy Bill, which regulates local hiring practices



Webpage Screenshot



http://www.nytimes.com/interactive/2014/06/05/upshot/how-the-recession-reshaped-the-economy-in-255-charts.html?_r=0 Sat Jun 21 2014 20:17:09 GMT+0530 (Sri Lanka Standard Time)



How the Recession Reshaped the Economy, in 255 Charts, Upshot, The New York Times, United States

Data: Bureau of Labor Statistics' Current Employment Statistics program Links to data? Yes.

Design: Varied chart formats to illustrate changes in the job market since the recession.

Dissemination: Published by the *New York Times*' new data journalism portal The Upshot, accompanied by narrative analysis, marketed through social media.



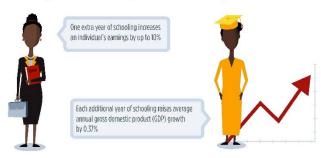
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Investing in secondary education improves lives.



If all girls completed secondary education...



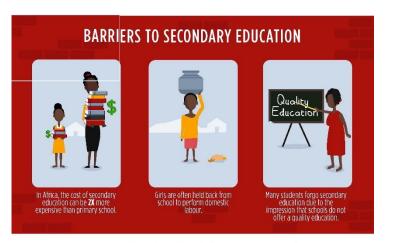












Secondary education is critical for young people - and their communities - to reach their full potential.

The MasterCard Foundation Scholars Program, through its partners, is providing 11,000 students in Sub-Saharan Africa, primarily girls, with academic, financial, and social support to complete secondary education.



The secondary school component of The MasterCard Foundation Scholars Program is implemented in collaboration with:







For more information, visit www.mastercardfdnscholars.org

THE MASTERCARD FOUNDATION Scholars Program

INESCO, 2011 INESCO, 2013 Frankings, 2011

Creating Change in Africa, One Student at a Time, The MasterCard Foundation Scholars Program is a \$500 million over 10 years

Data: UNESCO 2011, 2013, Brookings 2011

Links to data? No

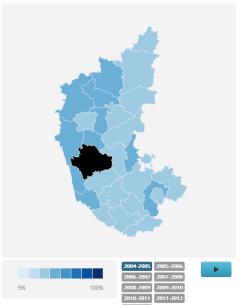
Design: Series of related infographics

Dissemination: Published on the MasterCard Foundation website and disseminated through social media and through partners: BRAC, one of the largest non-profit development organizations in the world, Camfed, a non-profit dedicated to the education of girls in Africa and the Forum for African Women Educationalists. Scholars stories featured on site.

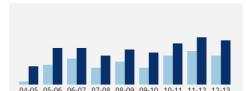


Webpage Screenshot

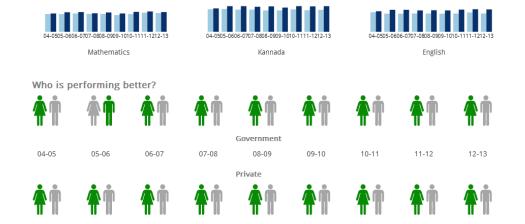
Nine years of SSLC in Karnataka beta Subject Gender Medium Map Shimoga







Government and Private schools performance.







Find My School

Home

Discover Schools Near You By Score See Schools By Scores Performance See Examination Results



Welcome To Find My School .Ke

Find My School is your platform to easily find the school for you in these three simple ways.



Location: Discover Schools Near You

Select a location on our interactive map and discover schools near you.



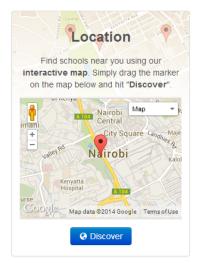
Exam Scores: Which school would select you based on a given score
Using Performance and Placement Data from the Ministry of Education we

help find your most probable **Secondary School** placement.



Search Results: Enter the School Name and Hit Enter

Search schools' KCPE and KCSE results.



By Exam Scores

Find a **Secondary School** based on a given score in the final exam. Simply select the **County** your **Primary School** is in and your **KCPE marks** and let us do the rest.

Select Your County

400 out of 500

Find My School →

Search Results

Find a school's exam **results** by entering the name and hitting 'Search'.

Search Schools...

Q Search

Share FMS.Ke









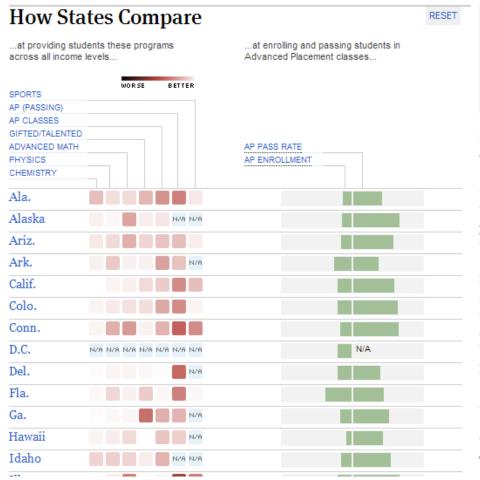
The Opportunity Gap

Is Your State Providing Equal Access to Education?



By Jennifer LaFleur, Al Shaw, Sharona Coutts and Jeff Larson, ProPublica, Updated January 24, 2013

This database includes all public schools in districts with more than 3,000 students from the 2009-2010 school year -- about three-quarters of all such students in the country. Use it to find out how well your state provides poor and wealthier schools equal access to advanced classes that researchers say will help them later in life. | Our latest data also includes AP pass rates and sports participation | Related: About the Data and Our Analysis ».



Find a School Your Address, ZIP, or school name Submit For example, 1605 E. 55th St. Chicago, IL or 77054 or Stuyvesant High

Latest Local Stories Based on This Project

Univision: Problemas Escolares: Escuelas en Philadelphia Reprueban

Virginian-Pilot: In Norfolk, newest teachers face tougher tasks

Boise State Public Radio: Students Who Take Advanced Courses Do Well In Idaho

Faribault Daily News: Faribault School District needs to improve AP opportunities

Shawnee Dispatch: As student bodies diversify, school districts have trouble finding minority candidates

California Watch: Low-income students score lower on AP tests

NBC New York: AP Opportunity Gap: NY's Poor Students Enroll in Fewer College-Prep Courses

StateImpact Ohio: Why the Feds are Investigating the Toledo Public Schools

C-Ville Weekly: Feed your head

The Reporter: Study shows area districts stack up well against state averages



Open Data for Education: School Dashboard

<u>Find My School</u>, Twaweza, Kenya <u>Nine Years of SSLC Scores in Karnataka</u>, Karnataka Learning <u>The Opportunity Gap</u>, *ProPublica*, United States

Data

Kenya: Kenyan National Examinations Council 2010 Links to data? No

India: Karnataka Secondary School Examinations Board Links to data? No

United States: US Department of Education

Design

Kenya: App, map India: Charts, maps

United States: App, charts, investigation

Dissemination

Kenya: NGO website, Hacks/Hackers Nairobi

India: NGO website

United States: Mass media, rights for media to republish data and content

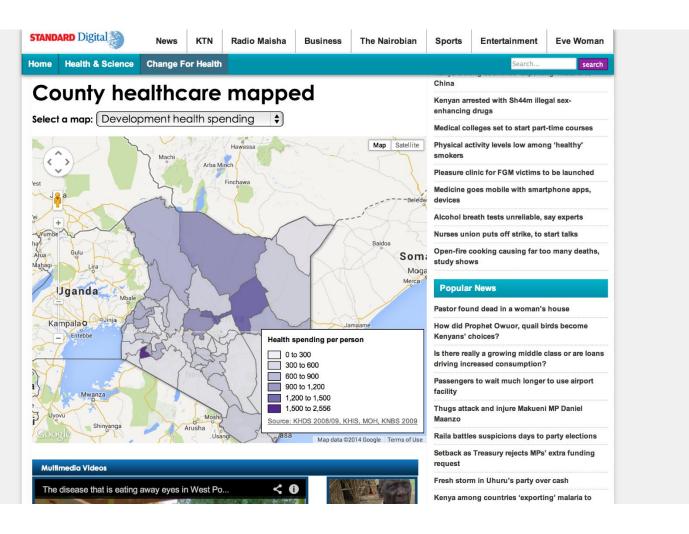


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Open Data for Health: Kenya





Open Data for Health: Health

Webpage Screenshot **STANDARD** Digital Radio Maisha Business The Nairobian Entertainment Eve Woman uReport Home Health & Science **Change For Health** What is your county investing in your **Popular Health** Immunisation drop worries medics health? Man's hernia swells to size of a football after NHS waiting list blunder Please select a county: Alarm as 30 counties slash health budgets Could ignorance of illness be better for mental Kilifi County ranks low on health spending as Barinao disease rayages region False start as devolved units in once Medical breakthroughs that can turn science-fiction marginalised region fail balance test into lifesaving reality Click to view » New report reveals top and bottom Health ministry cancels Sh34b tender over counties in health spending Misplaced priorities? Counties' bitter prescription for ailing health sector Kakamega County Insurance firms shun sickle cell anaemia cases · Rural patients suffer owing to scarce Stressful relationships may raise risk of death th Total population June 2013: 1,847,397 Death toll from West Africa Ebola hits 337: WHO 🎁 Development health spending per person; Sh 689 Market Development health spending over total Link seen between sitting and certain cancers budget: 9.60% Fury over Bill on reproductive health Disease Burden: **Popular News** People living with HIV on ARVs: 18,597 Mpeketoni: Government fed us to the dogs as GSU * Malaria cases per 100,000 people: 37,295 chief waited for orders ATB prevalence per 100,000 people: 185 Police forced to 'rescue' Maina Njenga from armed Stop intimidating us, CORD leaders now tell Jubilee Jubilee dismisses Raila's letter to Uhuru Development health budget 2011-2014 Health share of development budget 1.300.000.000 Android and Windows mobile phones set for 'kill **Health** switch' to make handset useless if stolen



http://www.standardmedia.co.ke/health/changeforhealth Sun Jun 22 2014 16:21:58 GMT+0530 (Sri Lanka Standard Time)

Open Data for Health

Change for Health, The Standard, Kenya

Data: www.crakenya.org, County Factsheets, Commission on Revenue Allocation (CRA), County budgets 2013 – 2014, Kenya National Bureau of Statistics, 2009 Census, Kenya Health Demographic Survey 2008/2009, The World Bank, International Budget Partnership Links to data? Yes **Design:** Maps, app, infographics, charts, investigative reporting.

Dissemination: Published through the Standard newspaper and website, disseminated through social media.

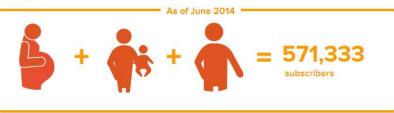


Open Data for Health: Bangladesh

Webpage Screenshot



Progress



Partners

MAMA Bangladesh is implemented by **Dnet**, a social enterprise. Dnet has secured a number of critical partnerships that span government agencies, telecommunications operators, outreach partners, and the private sector.

For more information about the MAMA Bangladesh country program, please visit www.aponjon.com.bd.



"I was nervous about the birth of my second child but the messages helped me understand what to expect and how to care for her. I have learned many things I didn't know when my first child was born."

Asha Rani, Aponjon subscriber

▲ back to top

http://www.mobilemamaalliance.org/mama-bangladesh Sun Jun 22 2014 16:38:08 GMT+0530 (Sri Lanka Standard Time)



Open Data for Health

Mobile Alliance for Maternal Action, Bangladesh

Data: Dnet, in partnership with the Government of Bangladesh Ministry of Health and Family Welfare Links to data? No **Design:** SMS and voice message system to disseminate information to mothers.

Dissemination: Six outreach organizations, five mobile network operators, and three corporate partners. Since launching, it has grown to serve more than 500,000 mothers and families and trained over 3,000 community agents.



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Open Data for Economics

Sri Lanka solving China's unemployment! Daily FT, June 19, 2013

Over 26,000 Sri Lankan work visas have been issued to Chinese nationals over the last seven years to meet the demand for skilled labour, the Government revealed in Parliament yesterday, as ties between the two countries continue to burgeon.

Responding to a question posed by UNP MP Ravi Karunanayake who highlighted growing unemployment in the country, Minister of Water Supply and Drainage and Chief Government Whip Dinesh Gunawardena said the growing number of construction related projects under the Board of Investment and the shortage of skilled workers in the country had prompted the Government to issue work permits to Chinese workmen.

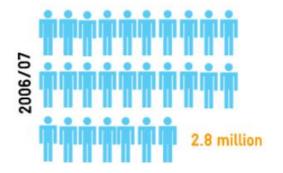
Sri Lanka can be integral part of Asian transformation: ADB Chief, Lanka Business Online, June 19, 2014

Sri Lanka should look at private partnerships to expand infrastructure, reform state enterprises and strengthen the investment climate by improving rule of law and governance, Asian Development Bank chief Takehiko Nakao said.



Open Data for Economics: IPS

Around one million Sri Lankans have managed to get out of poverty between 2006/07 and 2009/10



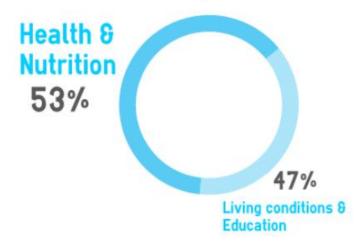


If the poverty line is raised by 10%

800,000
more people will fall in to poverty

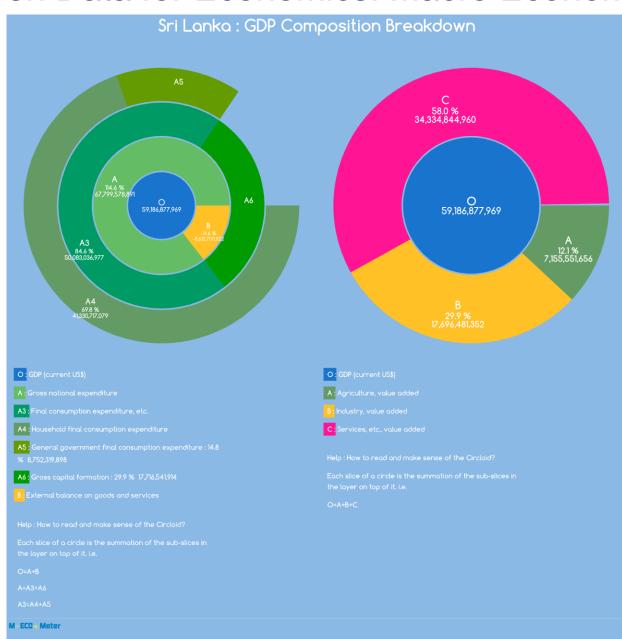
4.7% of Sri Lankans are 'multidimensionally poor'

of Sri Lankans are 'multidimensionally poor' according to a new tool of poverty analysis, the Multidimensional Poverty Index (MPI) Health and Nutrition factors influence Multidimensional Poverty the most





Open Data for Economics: Macro Economy Meter





What are the strengths and weaknesses of each of these economic stories in terms of data, design and dissemination?

How could these issues be addressed more effectively to lead to action?



What data sources are available for providing actionable solutions for the economy?

- Governmental
- Academic
- Think tanks
- NGOs
- Donors
- Private Sector



What technical resources are available to design these solutions?

- Civic hacker groups
- University computer science faculty
- Social innovators
- Private sector
- Grants



What platforms already exist to host open data for disaster mitigation tools and resources?

- Government online portals
- Humanitarian coordination groups
- Civil hacker sites
- Online media



Resources









