

Intro to Data Fundamentals and Finding Data Online

Unit 2

Nepal Data Literacy Program, 2019

Organized by



Supported by



Unit 2: Module 1 - Introduction to the World of Data

- Definition of data and open data
- Data-driven decision making
- Types of data attributes and Data Visualization

Unit 2: Module 2 - The Data Pipeline and Understanding Data Formats

- Overview of common data formats

Unit 2: Module 3 - Finding Data Online and Navigating Databases

- Search for data online using advanced search techniques and NGO, think tank, university and government websites.
- Answer specific questions through databases including understanding the interface, selecting variables and downloading results

Introduction to the world of Data

Unit 2: Module 1

Question?

One of the Sustainable Development Goals that countries across the world set out to achieve by 2030 is to ensure healthy lives and promote well-being for all at all ages. Has the world achieved this goal? Has Nepal achieved this goal? What is the status of health in Nepal?

Answer

One of the Sustainable Development Goals that countries across the world set out to achieve by 2030 is to ensure healthy lives and promote well-being for all at all ages. Has the world achieved this goal? Has Nepal achieved this goal? What is the status of health in Nepal?

1. Find the data set/ data sources
2. Clean the data
3. Analyze the data
4. Create engaging stories to help citizens and policymakers to make better decisions for the future

Answering questions using data

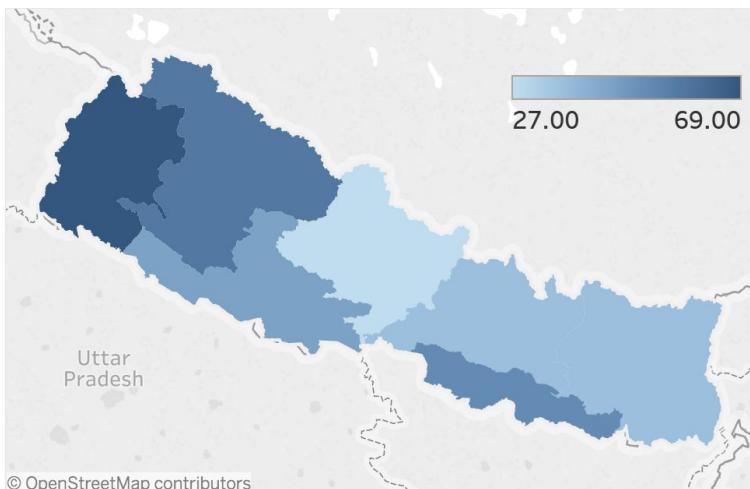


Goal
SDG 3: Ensure healthy lives and promote well-being for all at all a...

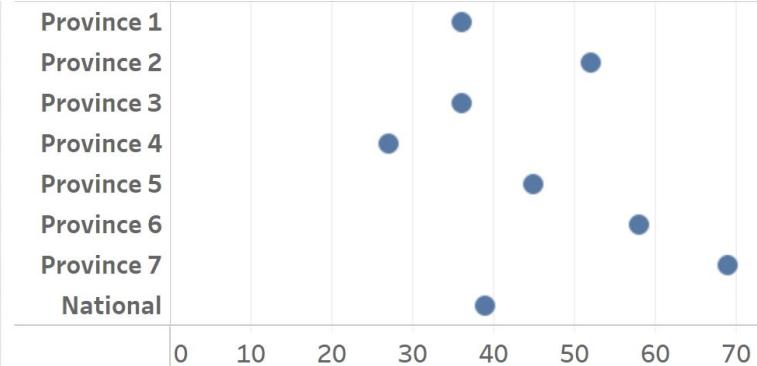
Indicator
Under-five mortality rate



Government of Nepal
National Planning Commission



© OpenStreetMap contributors



S.E not available

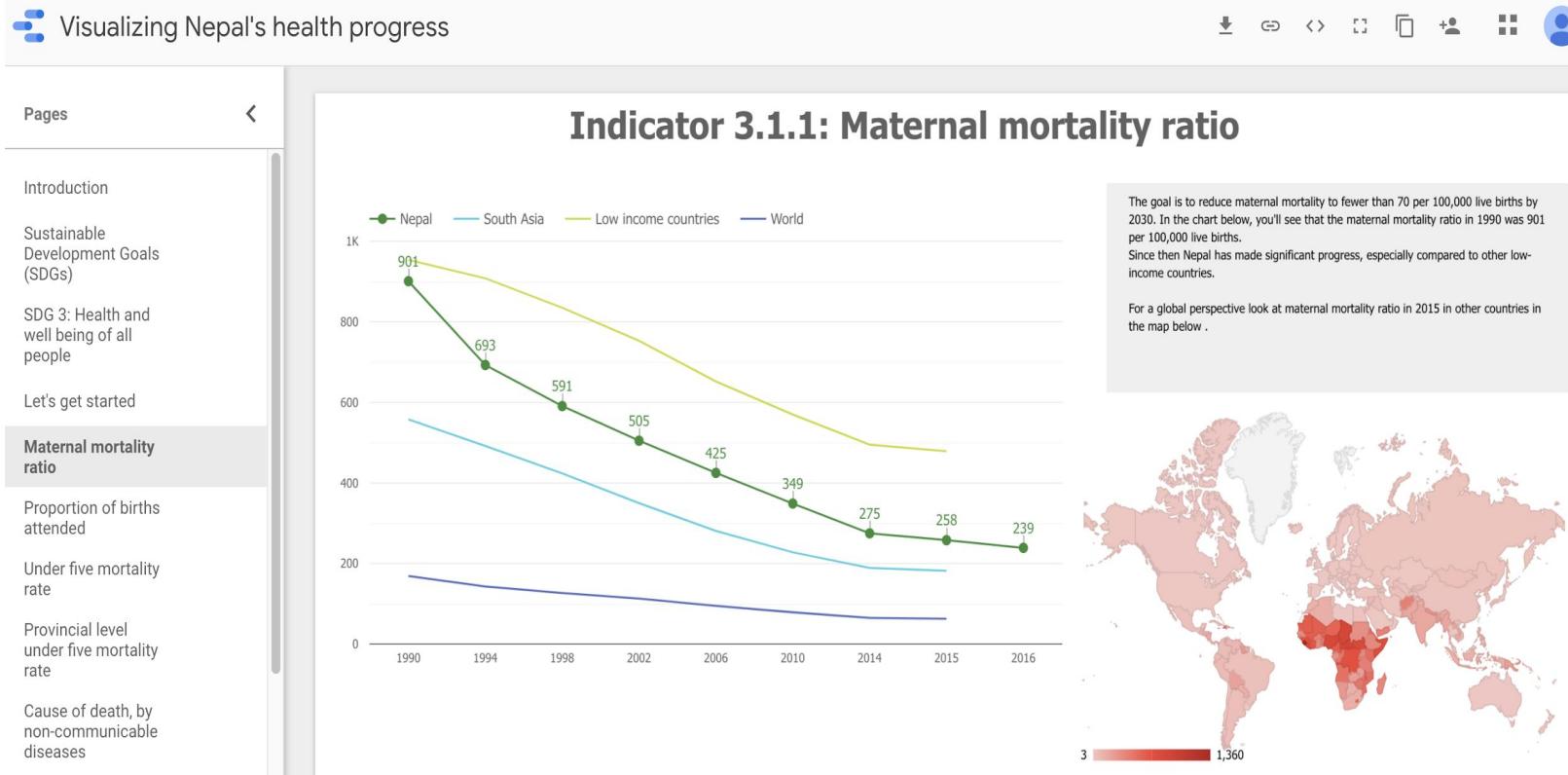
| | Value | Std Err | Lower Bound | Upper Bound |
|------------|-------|---------|-------------|-------------|
| Province 1 | 36.00 | | | |
| Province 2 | 52.00 | | | |
| Province 3 | 36.00 | | | |
| Province 4 | 27.00 | | | |
| Province 5 | 45.00 | | | |
| Province 6 | 58.00 | | | |

Source NDHS 2016
<https://www.dhsprogram.com/pubs/pdf/FR336/FR336.pdf>

This portal is a joint product of the National Planning Commission and the Central Bureau of Statistics of the Government of Nepal and the World Bank, with financial support from UK Department for International Development (DFID). For any questions, comments and feedback, please contact nepaldata@worldbank.org.

Source: <https://dataviz.worldbank.org/views/ProvincialSDGDashboardv8/Province?:isGuestRedirectFromVizportal=y&:embed=y>

Visualizing Nepal's health progress



Source: <https://dataviz.worldbank.org/views/ProvincialSDGDashboardv8/Province?:isGuestRedirectFromVizportal=y&:embed=y>

What is Data?



Source: <http://www.worldbank.org>

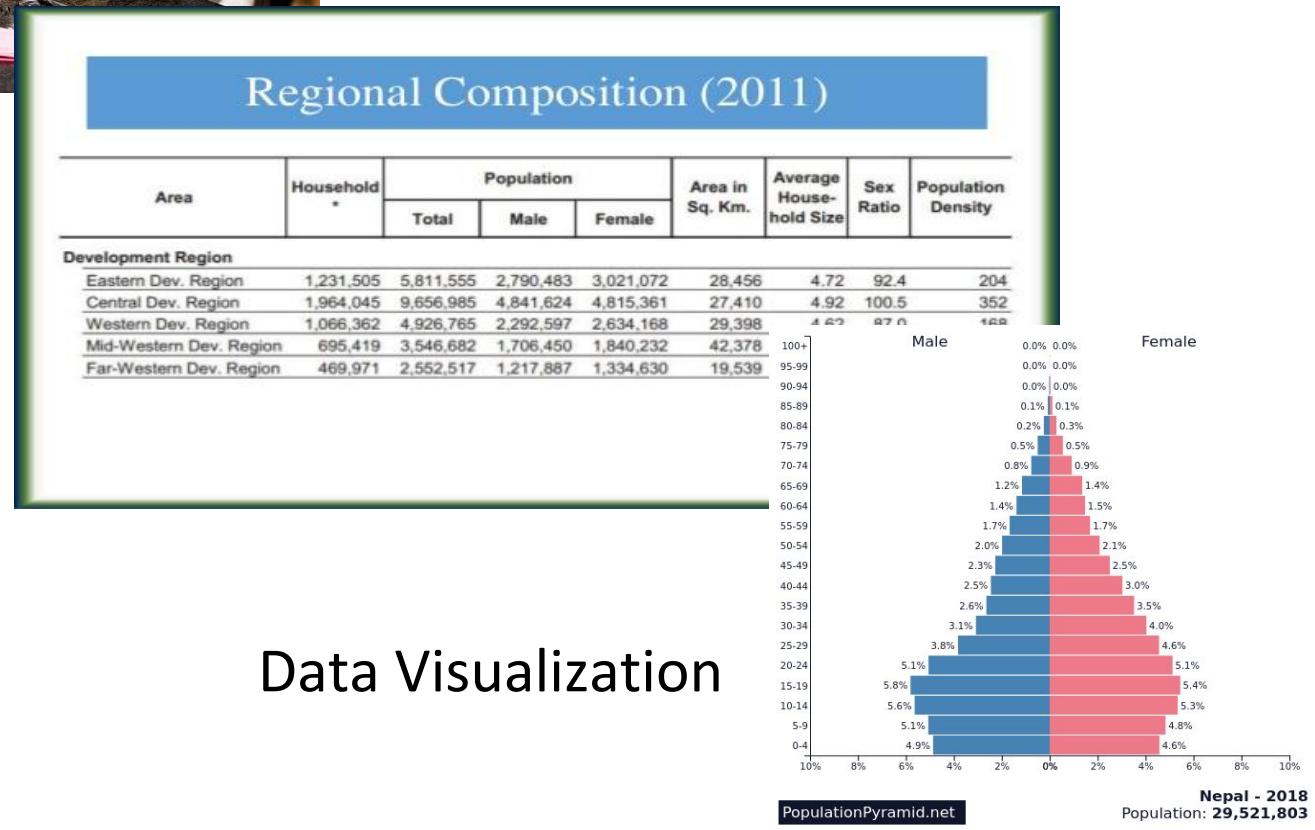
- A collection of distinct pieces of information
- Can be numbers, text, images, a combination of these
- Eg, surveys, election results, birth records, sales records etc.

What is Data?



Data Collection

Dataset



Source: <https://www.populationpyramid.net/nepal/2018/>

Common Types of Data



Source: <https://www.nytimes.com/2019/05/17/us/us-birthrate-decrease.html>

Types of Data

- Qualitative Data
 - Descriptive information
 - Eg. The baby's hair is brown in color.
- Quantitative Data
 - Numerical information
 - Eg. The baby's birth weight is 3.2 kgs.

Other Types of Data

- Discrete Data
 - can take discrete values or whole numbers
 - achieved by counting
 - Eg. the age of the child
- Continuous Data
 - can take any number
 - achieved by measuring
 - Eg. The baby's birth weight is 3.2 kgs.
- Categorical Data
 - places the value of interest into various categories
 - Eg. male or female, blood type A, B, AB or O
- Ordinal Data
 - Categorical data for which the possible values are ordered
 - Eg. education levels - elementary school, middle school, high school, college, post graduate degree

What is Open Data?



World Bank Open Data: free and open access to data about development in countries around the globe.



In 2015, the global child mortality rate is less than half its 1990 levels, but the MDG 4 target has not been met

E. Suzuki | Posted on 8 Sep 2015

The future of the world's population in 4 charts

T. Khokhar and H. Kashiwase | Posted on 5 Aug 2015

Data Lab link roundup

T. Khokhar | Posted on 14 Sep 2015

Find an indicator

GNI per capita, Atlas method (current US\$)

Go

BROWSE DATA



By Country



By Topic



Indicators



Use our Data

FEATURED

World Development Indicators

Open Finances

Projects & Operations

Open Government Data Toolkit

RECENTLY UPDATED

Doing Business

11 Sep, 2015

World Development Indicators

09 Sep, 2015

[View data catalog »](#)

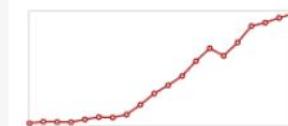
The World at a Glance

Economy & Growth

GDP (current US\$)

\$77.87 trillion

2014



Health

Life expectancy at birth, total (years)

Open data is data that can be freely used, modified, and shared by anyone for any purpose

What is Open Data?



Open data is data that can be freely used, modified, and shared by anyone for any purpose

- Availability and Access: the data must be available as a whole and at no more than a reasonable reproduction cost, preferably by downloading over the internet. The data must also be available in a convenient and modifiable form.
- Re-use and Redistribution: the data must be provided under terms that permit re-use and redistribution including the intermixing with other datasets.
- Universal Participation: everyone must be able to use, re-use and redistribute - there should be no discrimination against fields of endeavour or against persons or groups.
- Open licence: the data should have licences that clearly explain the conditions under which it may be used

Open Data In Nepal

Open Data Nepal

[Log in](#) | [Register](#)



Datasets

Organizations

Groups

Suggest Data

Search



Welcome to Open Data Nepal

A civil society initiative to make Nepal's data accessible online perpetually. The portal allows users to publish, explore, download and use data to make their own visualisations, apps and services without any restriction.

Search



696

Datasets



42

Data Sources



96

Contributors

Open Data In Nepal

Nepal's Foreign Aid Management Platform

AID MANAGEMENT PLATFORM

HOME PAGE POST-EARTHQUAKE ASSISTANCE PORTAL ACTIVITIES NEWS PUBLICATIONS DASHBOARDS REPORTS LOGIN

Welcome to AMP

Welcome to the Foreign Aid in Nepal website from the Ministry of Finance. This site provides public access to the Aid Management Platform (AMP), the online system that the Government and development partners use to manage aid in Nepal...

+ Total Commitments **24,926.104 M USD**

Total Disbursements **12,189.49 M USD**

Total Activities **1944**

SEARCH ACTIVITIES

Search Terms - search keywords within activities

Search ▾ more



Open Data In Nepal

Public Procurement Transparency Portal

The screenshot shows the homepage of the Public Procurement Transparency Initiative in Nepal. The top navigation bar includes the logo of the initiative, language options (Nepali, English), and menu links for Home, Explore Contracting Processes, Procuring Entities, and More. A banner below the navigation bar features the text "Openness in Public Procurement : Good Governance Initiative" and describes it as an open data initiative to create a single repository of data on public procurement, with a "Learn More" link. Below the banner is a search bar with a magnifying glass icon and placeholder text "Search for contracting process ...". To the right of the search bar is a "view all filters" button. The main content area displays four large statistics: 4872 TENDERS (red background), 906 PROCURING ENTITIES, 2637 BIDDERS, and 17640 BIDS*. Each statistic has a "View More" button below it. A note above the BIDS* statistic states "*reported in 3901 tenders". At the bottom of the page, there are links for ACTIVE TENDERS: 4841, COMPLETED TENDERS: 31, and CANCELLED TENDERS: 0. A date selector shows 2017/18 with a dropdown arrow. The background of the page features a photograph of a mountainous landscape.

PUBLIC PROCUREMENT
TRANSPARENCY
INITIATIVE IN NEPAL

नेपाली English

Home Explore Contracting Processes Procuring Entities More

Openness in Public Procurement : Good Governance Initiative

An Open Data Initiative to create a single repository of data on public procurement. [Learn More →](#)

Search for contracting process ...

view all filters

4872 TENDERS

906 PROCURING ENTITIES

2637 BIDDERS

17640 BIDS*

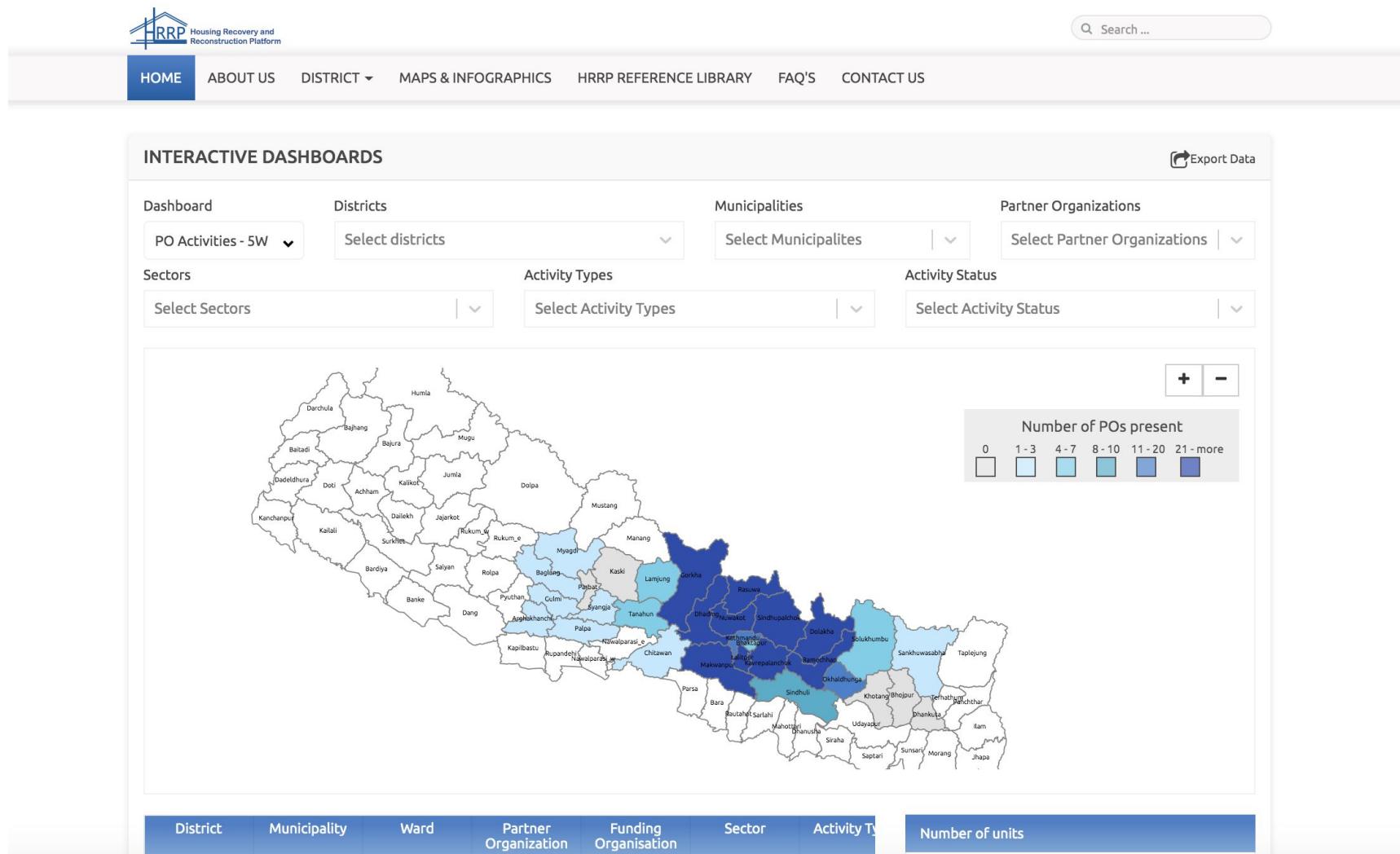
*reported in 3901 tenders

ACTIVE TENDERS: 4841 | COMPLETED TENDERS: 31 | CANCELLED TENDERS: 0

2017/18 ▾

Open Data In Nepal

Housing Recovery and Reconstruction Platform



Open Data In Nepal

Open Nepal

- an open data platform for organizations that produce, share and use data for development

Some of the key open data advocates and key players in Nepal

- [Open Knowledge Nepal](#)
- [Kathmandu Living Labs](#)
- [Code for Nepal](#)
- [Bikas Udyami](#)
- [Freedom Forum](#)

Open Data - World Bank

 THE WORLD BANK | Data Catalog

 Login ▾

 Data Collections Getting Started FAQs

Search and Share Development Data

Search Criteria: All Words Any Word

Search 

20,843 Datasets available [Browse by data type or country/region](#)

Featured Data



Data on Statistical Capacity

The World Bank's Statistical Capacity Indicator is a composite score assessing the capacity of a country's statistical system.



World Bank Open Data

The World Bank's Open Data initiative provides all users with open access to World Bank data.



Impact Evaluation Surveys

The Impact Evaluation Microdata Catalog provides access to data and metadata underlying impact evaluations conducted by the World Bank or other agencies.



WORLD BANK GROUP
ENTERPRISE SURVEYS
WHAT BUSINESSES EXPERIENCE

Enterprise Surveys cover a broad range of business environment topics, e.g. access to finance, gender, infrastructure, and performance measures

Open Data in India

Open Government Data Platform India

The screenshot shows the homepage of the Open Government Data (OGD) Platform India. At the top, there is a green header bar with the Indian national emblem, the text "data.gov.in Open Government Data (OGD) Platform India", a search bar with placeholder text "Type search keyword", and user account options like "LOG IN | REGISTER". Below the header, a large maroon banner features the text "INDICATOR DASHBOARD" in white, with the subtitle "ANALYTICS TO MOVE FROM DATA TO INSIGHTS" underneath. To the right of this banner is a grid of four colored boxes: blue (labeled INDUSTRIES), yellow (labeled DEMOGRAPHY), red (labeled EDUCATION), and orange (labeled TRANSPORT). Each box contains a white icon related to its category. Below the banner, there are three small circular progress indicators. At the bottom of the page, there are three separate cards: "ANALYTICS" (showing 285,982 resources, 4,710 catalogs, 145 departments, and 22 times viewed), "CATALOG" (with a medical-themed illustration of a stethoscope and a document with a red cross), and "INDICATOR DASHBOARD" (with icons for Education and Demography).

data.gov.in
Open Government Data (OGD) Platform India

Type search keyword

LOG IN | REGISTER

INDICATOR DASHBOARD
ANALYTICS TO MOVE FROM DATA TO INSIGHTS

INDUSTRIES

DEMOGRAPHY

EDUCATION

TRANSPORT

ANALYTICS

- 285,982 RESOURCES
- 4,710 CATALOGS
- 145 DEPARTMENTS
- 22 TIMES VIEWED

CATALOG

INDICATOR DASHBOARD

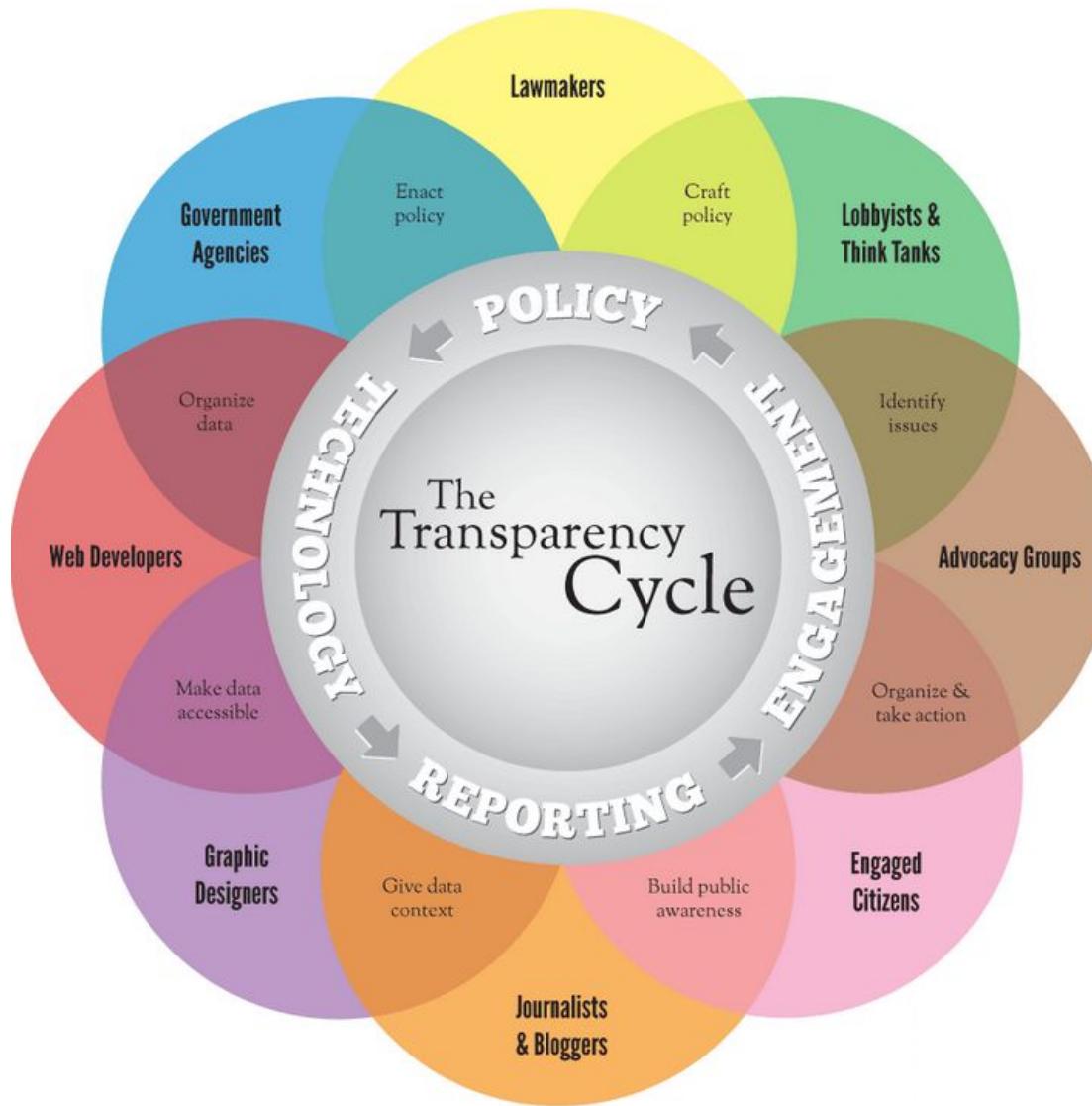
Education

Demography

Status of Open Data today

- Open Data policies/ data privacy
- Impact of Open Data in addressing social and economic challenges
- Open Data in the context of transparency and inclusion
- Open Data and Artificial Intelligence
- What has Open Data achieved up to date
- Major challenges
- The future of Open Data

The Transparency Cycle

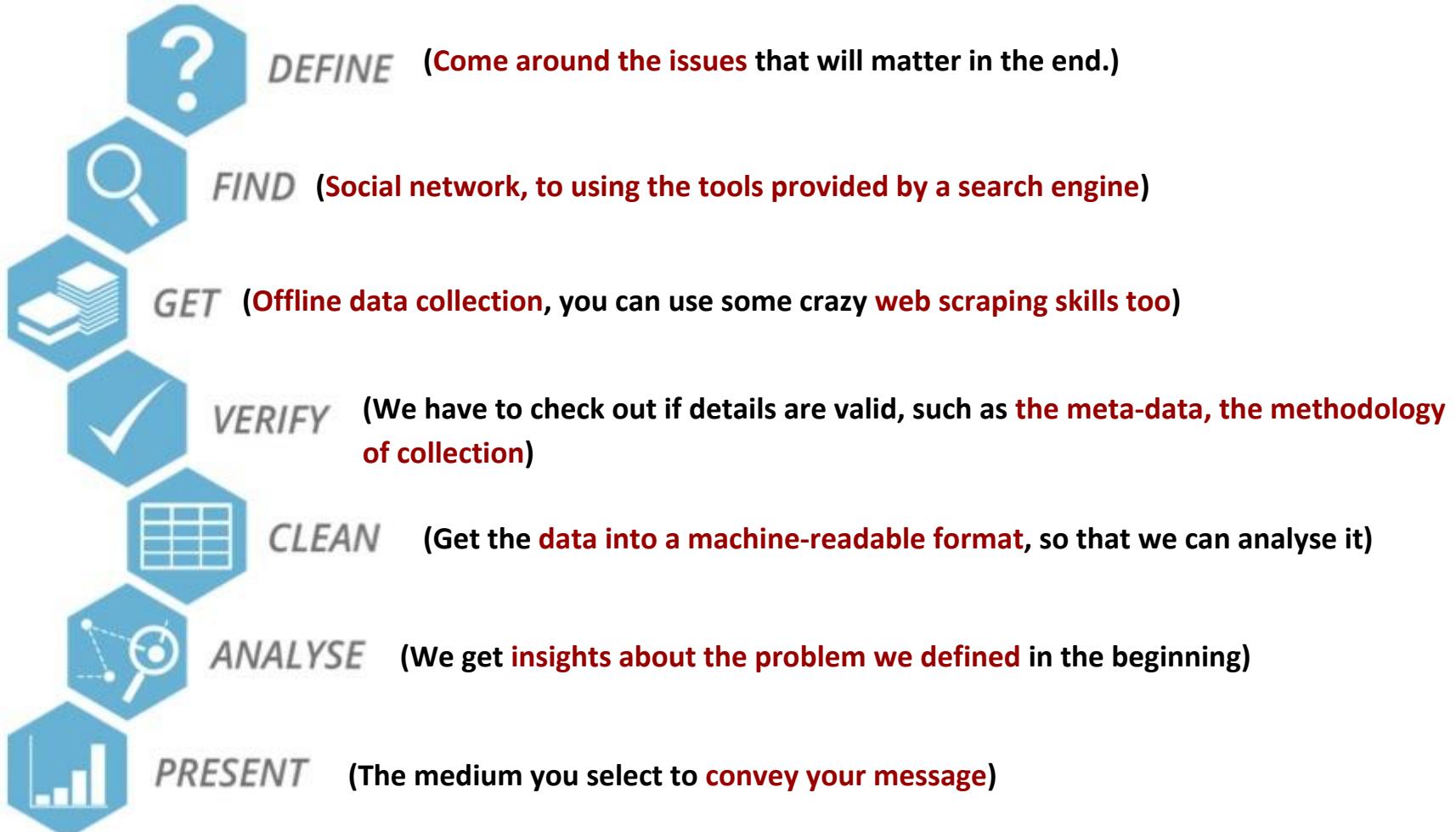


The Data Pipeline and Common Data Formats

Unit 2: Module 2

The Data Pipeline

A framework for working with data from beginning to end



Common Data Formats

Machine-readable, Computer Generated , Structured Data Formats



```
Series Name,Country Name,Country Code,Year[2013],Year[2014],Year[2015]
"Under five mortality rate (%)",Myanmar,MMR,5.707,5.570,5.459
"Under five mortality rate (%)",Namibia,NAM,4.448,4.254,4.087
"Under five mortality rate (%)",Nepal,NPL,3.895,3.706,3.528
"Under five mortality rate (%)",Netherlands,NLD,0.397,0.375,0.352
```

A CSV file open in a text editor

| Series Name | Country Name | Country Code | Year[2013] | Year[2014] | Year[2015] |
|---------------------------------|--------------|--------------|------------|------------|------------|
| "Under five mortality rate (%)" | Myanmar | MMR | 5.707 | 5.57 | 5.459 |
| "Under five mortality rate (%)" | Namibia | NAM | 4.448 | 4.254 | 4.087 |
| "Under five mortality rate (%)" | Nepal | NPL | 3.895 | 3.706 | 3.528 |
| "Under five mortality rate (%)" | Netherlands | NLD | 0.397 | 0.375 | 0.352 |

Same CSV file open in
Excel

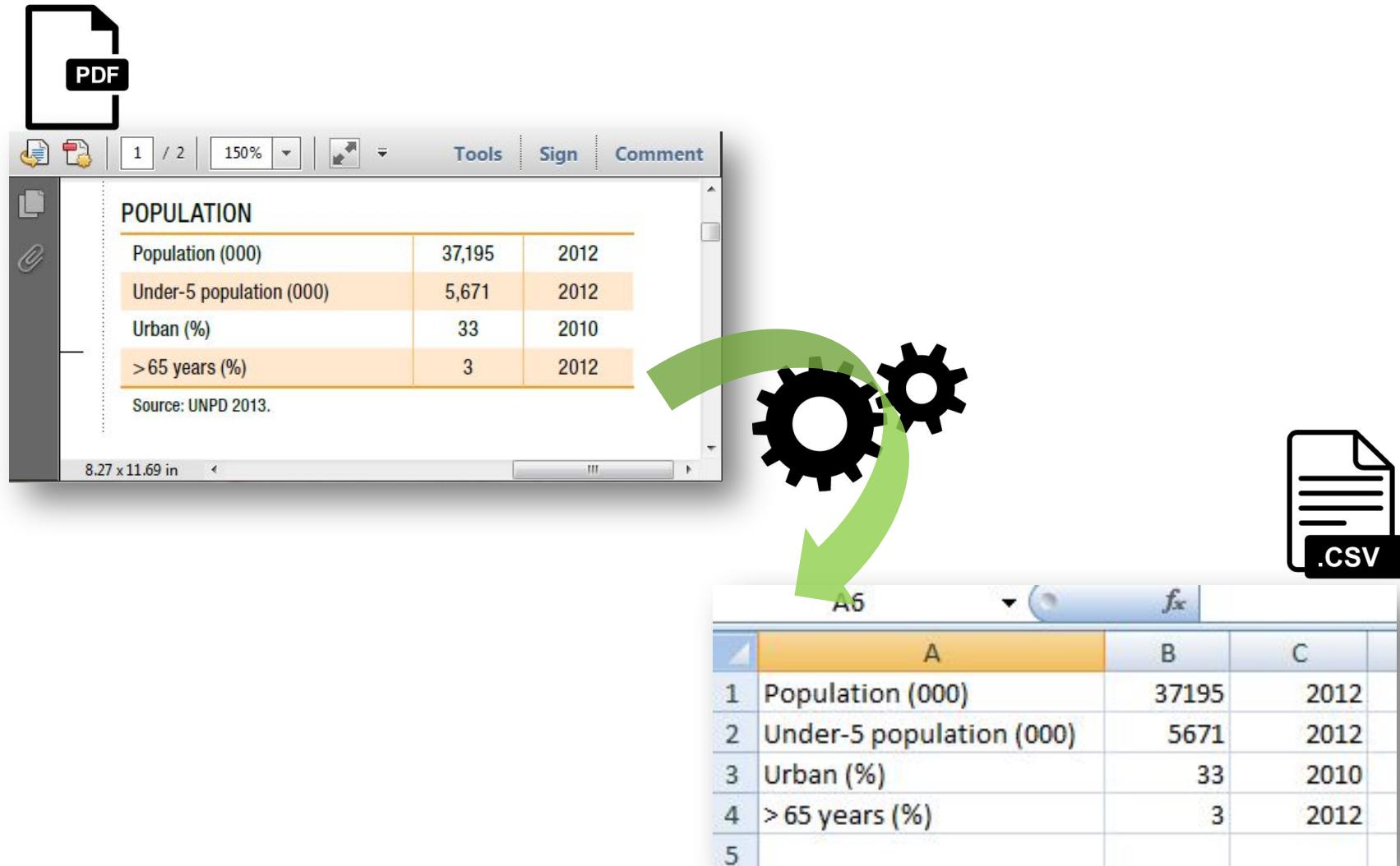
Portable Document Formats (PDF)

Scanned image or not?

Structured?

Searchable?

From Document Formats to Machine Readable Data Formats



Finding Data Online and Navigating Databases

Unit 2: Module 3

Getting Started

World DataBank

DataBank Home This page is in English Español Français عربى 中文 [Email](#)

Databases

[Create Report](#)

[Saved Reports](#)

 Log in to DataBank to create, save and share your reports and datasets

[Log in Now »](#)

New User? Sign Up »

Best viewed in Google Chrome, Mozilla Firefox or Internet Explorer version 8 and above.

Read the FAQ



Watch the Tutorial

Explore. Create. Share: Development Data

DataBank is an analysis and visualisation tool that contains collections of time series data that can create your own queries; generate tables, charts, and maps; and easily save, embed, and share them. [Watch the tutorial](#) and [read the FAQs](#). Enjoy using DataBank and [let us know what you think!](#) [Email](#)

WHAT'S POPULAR

[INDICATORS](#) [COUNTRIES](#) [DATABASES](#)

| | |
|--|--|
| GDP growth (annual %) | Life expectancy at birth, total (years) |
| GDP (current US\$) | Internet users (per 100 people) |
| GDP per capita (current US\$) | Imports of goods and services (% of GDP) |
| GNI per capita, Atlas method (current US\$) | Unemployment, total (% of total labor force) |
| Exports of goods and services (% of GDP) | Agriculture, value added (% of GDP) |
| Foreign direct investment, net inflows (BoP, current US\$) | CO2 emissions (metric tons per capita) |
| GNI per capita, PPP (current international \$) | Literacy rate, adult total (% of people ages 15 and above) |
| GINI index | Central government debt, total (% of GDP) |
| Inflation, consumer prices (annual %) | Inflation, GDP deflator (annual %) |
| Population, total | Poverty headcount ratio at national poverty line (% of population) |

Using Data Portals

The screenshot shows the World Bank DataBank interface. At the top, the World Bank logo and the slogan "Working for a World Free of Poverty" are visible. Below the logo, there is a language selection bar with "English" highlighted. The main title "World DataBank" is displayed above the "World Development Indicators" section. A navigation bar below the title includes "VARIABLES", "LAYOUT", "SAVE", "SHARE", and "EMBED". The "VARIABLES" tab is active, indicated by a dark grey background. The interface lists four categories: "Database", "Country", "Series", and "Time". For each category, it shows the number of available items and the number of selected items. A vertical red bar is positioned on the right side of the page.

| Category | Available | Selected |
|----------|-----------|----------|
| Database | Available | 1 |
| Country | 249 | 0 |
| Series | 1343 | |
| Time | 56 | |

Data Portals in Nepal

Government of Nepal
National Planning Commission
Central Bureau of Statistics

English नेपाली

Q Search:

Home About us Notice Publications FAQ Contact us

Headlines » National St

What's New

Environment Statistics of Nepal 2019 NEW

Nepal Labour Force Survey III NEW

Regional (Provincial) National Accounts 2019 NEW

National Accounts of Nepal 2018/19 NEW

National Strategy for the Development of Statistics NEW

Provincial Statistics

District Profile

Population Atlas of Nepal

Population Census 2021

Sustainable Development Goals

National Data Profile

23rd May 2019 | Date Converter

Key Indicators

Average life expectancy at birth (Year) 66.6

More »

Poverty Head Count Rate 2011

Nepal 25.2%

More »

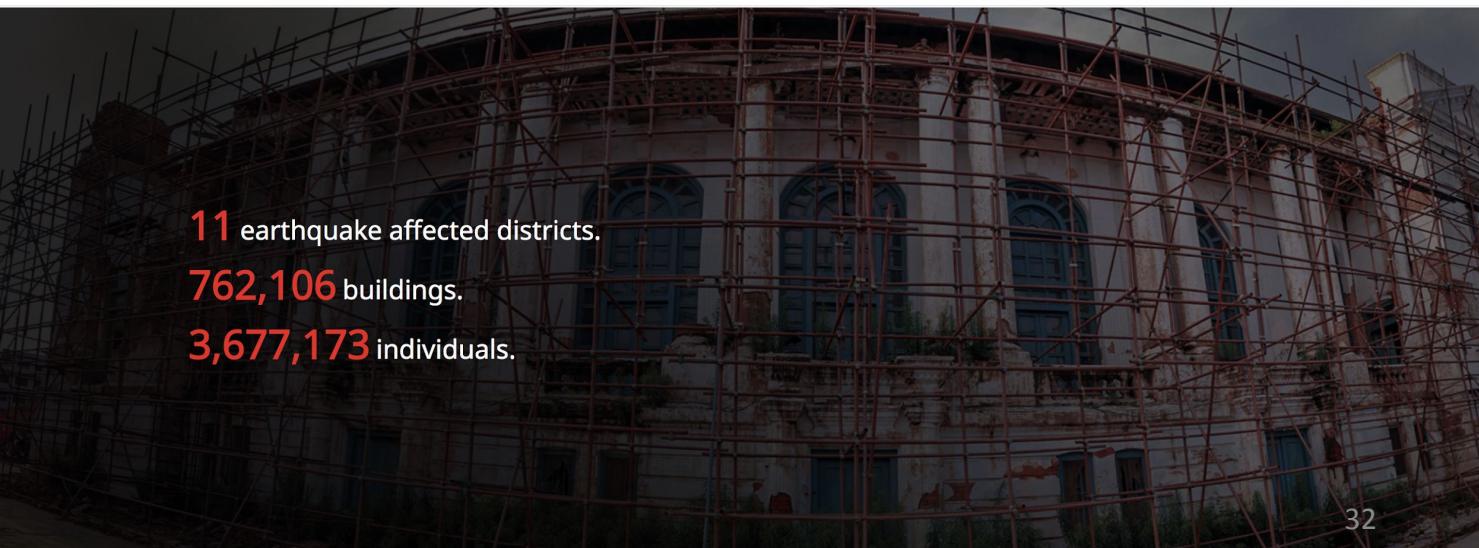
Director General

Suman Raj Aryal
01-4229406
MESSAGE FROM DG
suman.aryal@nepal.gov.np

Explore Compare

2015 NEPAL EARTHQUAKE OPEN DATA PORTAL

11 earthquake affected districts.
762,106 buildings.
3,677,173 individuals.



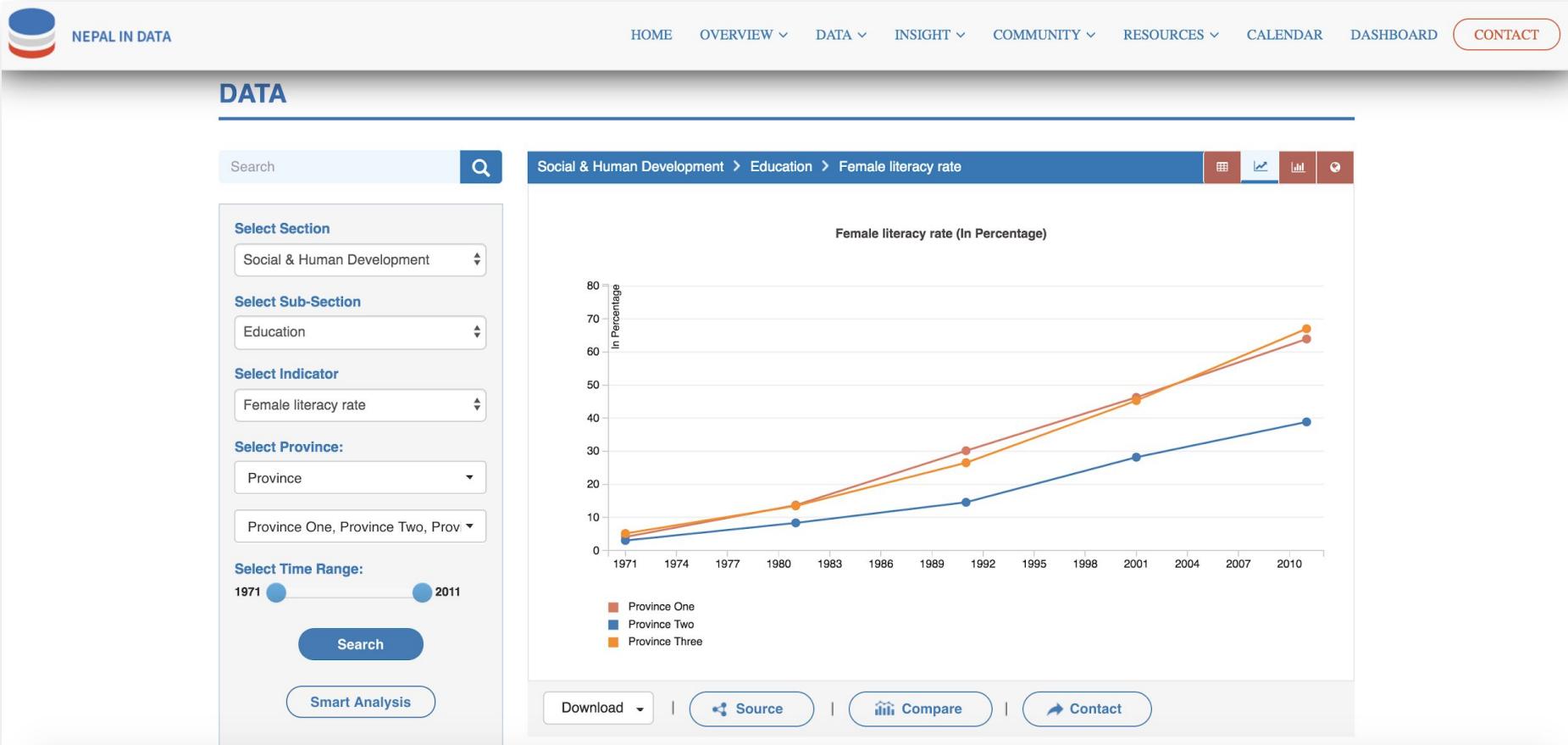
32

Data Portals in Nepal

Nepal has several data portals available online,
here are a few examples:

- <https://cbs.gov.np/nada/index.php/catalog>
- **<http://eq2015.npc.gov.np/#/>**
- <http://nationalgeoportal.gov.np/>
- <http://hydro.naxa.com.np/>
- <https://nepalmap.org/>
- <https://nepalindata.com/>

Navigating Databases in Nepal



Nepal in Data

Navigating Databases in Nepal

1. Open the **Nepal in Data Portal** in your web browser <https://nepalindata.com/>
2. Go to **DATA** and click on **DATASETS**
3. From the ‘Select Section’ drop-down menu, select **Social & Human Development**
4. Next, from the ‘Select Sub-Section’ drop-down menu, select **Education**
5. From the ‘Select Indicator’ drop-down menu, select **Female literacy rate**
6. From the ‘Select by Location’ drop-down menu, select **Province**
7. Under the drop-down menu, select **Province 1, Province 2 and Province 3**
8. Now click the **Search** button. You will see a graph of the female literacy rate in percentage for the three provinces from years 1971-2011.
9. At the bottom of the graph, from the **Download** drop-down menu, click on **CSV** . A file called *nepalindata.csv* downloads on your computer.
10. Double click to open the downloaded file.
11. Review the data. Go through and ensure you understand all the rows and columns.

Exercise: Navigating Databases in Nepal

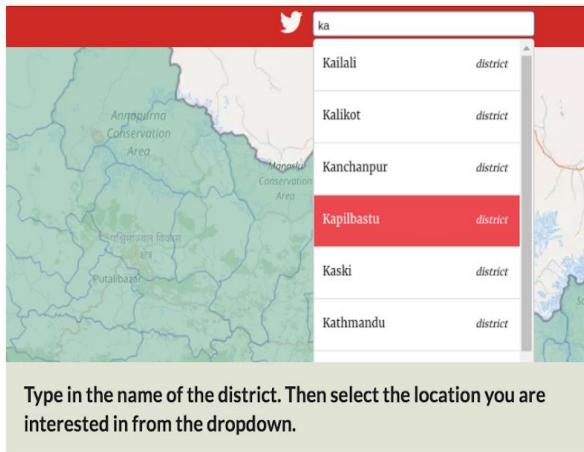
- From the **Nepal in Data Portal**, (<https://nepalindata.com/>) pick your two favorite indicators from below for your three favorite districts and download them to your computer
1. Literacy Rate
 2. Education budget as share of national budget
 3. Number of college
 4. Net enrollment rate of female students in primary level
 5. Net enrollment rate of male students in secondary level
 6. Total number of teachers in lower secondary school
 7. Students enrollment in higher education

Navigating Databases in Nepal

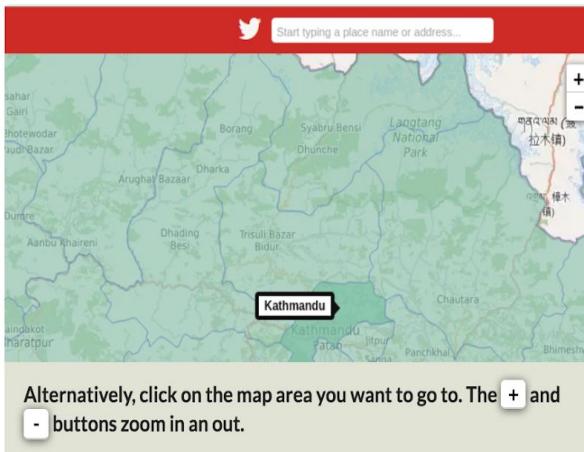
Nepal Map portal

Using NepalMap

Finding places



Type in the name of the district. Then select the location you are interested in from the dropdown.



Alternatively, click on the map area you want to go to. The + and - buttons zoom in and out.

Exploring data

Interact with charts and statistics for additional information.

Demographics

Demographics

1,744,240

People

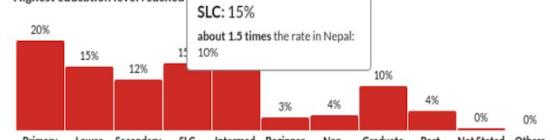
less than 10 percent of the figure in Nepal: 26,494,504

Sex

Female
48%

Show data / Embed

Highest education level reached



* Universe: People aged 5 years and older

Show data / Embed

Exercise: Navigating Databases in Nepal

- Open **Nepal Map Portal**,
[\(https://nepalmap.org/\)](https://nepalmap.org/)
- Pick your **two favorite districts** and compare the data visualizations
- Go down to **EDUCATION** section
- Download **Literacy Rate by Sex** data in CSV format

Global Databases

WHO Data Repository

The screenshot shows the WHO Data Repository interface. At the top, there's a navigation bar with links to Health topics, Data (which is highlighted in orange), Media centre, Publications, Countries, Programmes, Governance, About WHO, and a search bar. Below the navigation is the WHO logo and social media icons for RSS, YouTube, Twitter, Facebook, Instagram, and LinkedIn.

The main content area is titled "Global Health Observatory country views" and focuses on "Nepal statistics summary (2002 - present)". On the left, there's a sidebar with links for Data analysis, By theme, By category, By indicator, By country, Metadata, About the Observatory, and Search. The main content includes a "filter table" with options like "reset table" and "Last updated: 2019-04-25". It also has download links for CSV, XML, JSON, and Excel files, along with a "Country profiles" button. The central part of the page displays various data series for Nepal, such as GDP (current US\$), Population (total), School enrollment (primary (% gross)), and CO2 emissions (metric tons per capita), each with a corresponding line chart.

This screenshot shows the World Bank DataBank interface. At the top, it features the World Bank logo and navigation links for DataBank, Microdata, and Data Catalog. The main content area is titled "Nepal" and displays two line charts: "GDP (current US\$)" and "Population, total". The "GDP" chart shows a significant increase starting around 2000, reaching approximately 25 billion by 2018. The "Population" chart shows a steady increase from about 10 million in 2000 to nearly 28 million in 2018. To the right, there's a sidebar with a "Jump to" dropdown, a section for time series indicators, and links for "Income level: Low income", "Region: South Asia", "Download" (CSV, XML, EXCEL), "DataBank" (an online tool for visualization and analysis), and "Country Profile".

World Bank DataBank

Navigating International Databases

<https://databank.worldbank.org/home.aspx>

The screenshot shows the World Bank DataBank homepage. At the top, there's a navigation bar with links for Home, About, Data (which is underlined), Research, Learning, News, Projects & Operations, Publications, Countries, Topics, and English. Below the navigation is a section titled "DataBank" with a "DataBank Home" link and links for Databases, Create Report, Saved Reports, and Metadata Glossary. To the right, there's a language selector showing "This page is in English Español Français 中文". Below this are social media sharing buttons for Twitter, Facebook, LinkedIn, and a plus sign. The main content area has a heading "Explore. Create. Share: Development Data" and a paragraph about DataBank as an analysis and visualization tool. It includes links for "Tutorial", "FAQs", and "Feedback". A large red arrow points to the "Explore databases" link. Below this, there's a search bar with a placeholder "Type keywords to filter database names" and a magnifying glass icon. To the right of the search bar is a "Filter by" dropdown set to "Topic". Further down, there are links for "WHAT'S NEW" (Education Statistics, Global Economic Prospects, Africa Infrastructure, World Development Indicators) and "WHAT'S POPULAR" (GDP growth, GDP, GDP per capita, GNI per capita, Exports of goods and services, Foreign direct investment). At the bottom, there are links for "Database preview: ON OFF ?" and a brief description of the World Development Indicators.

THE WORLD BANK
IBRD + IDA

Home About Data Research Learning News Projects & Operations Publications Countries Topics English

This page is in English Español Français 中文

Log in Now! TWEETS LIKE SHARE +

DataBank

DataBank Home

Databases Create Report Saved Reports Metadata Glossary

WHAT'S NEW

Education Statistics - All Indicators was updated on June 13, 2019

Global Economic Prospects was updated on June 4, 2019

Africa Infrastructure: Ports was updated on June 3, 2019

World Development Indicators was

Explore. Create. Share: Development Data

DataBank is an analysis and visualisation tool that contains collections of time series data on a variety of topics. You can create your own queries; generate tables, charts, and maps; and easily save, embed, and share them. [Watch the tutorial](#) and [read the FAQs](#). Enjoy using DataBank and [let us know what you think!](#)

Tutorial FAQs Feedback

Explore databases

Type keywords to filter database names

Filter by: Topic

Sort by: Most Used | Alphabetical | Last Updated | View all databases

Database preview: ON OFF ?

World Development Indicators ⓘ Public

World Development Indicators (WDI) is the primary World Bank collection of development indicators, compiled from officially recognized international sources. It presents the most current and accurate global [See more +](#)

WHAT'S POPULAR

INDICATORS COUNTRIES

GDP growth (annual %)

GDP (current US\$)

GDP per capita (current US\$)

GNI per capita, Atlas method (current US\$)

Exports of goods and services (% of GDP)

Foreign direct investment, net inflows

Navigating International Databases

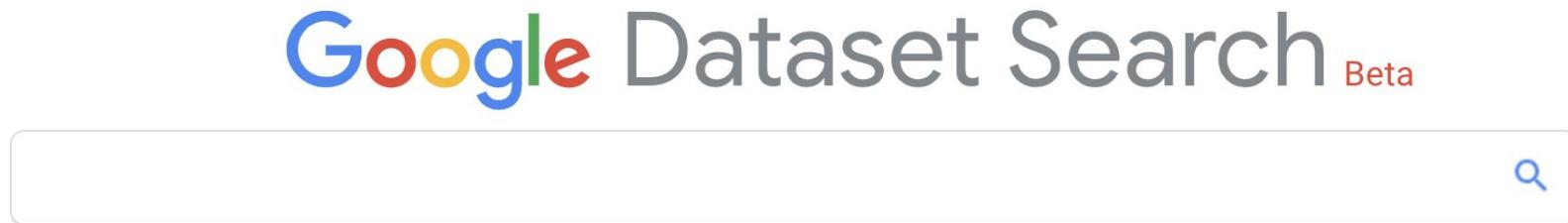
Try this example to download data about Nepal and its neighboring countries from an international database:

1. Open <http://databank.worldbank.org/>
2. Under 'EXPLORE DATABASES', select **Health Nutrition and Population Statistics**. The *Health Nutrition and Population Statistics* screen opens
3. Under **Country**, click clear selections and select:
Bangladesh, India, Maldives, Nepal, Pakistan, Sri Lanka
Next, scroll up and close the Country section.
4. Scroll down, and click **Series**. The available indicators are listed.
5. Select the indicators of your interest, scroll up and close the Series section.
6. Now, click **Years**. The available years are listed.
7. Select the years of your interest, and click xscroll up and close the Years section.
8. Then click on **Table** on the top right corner when your selection is ready. You can always click on the menu on the left to change selections
9. Click the **Download Options** button, and download your data as an Excel or CSV file.
10. Take a moment to try and understand the structure of the data, the variables, the types of the variables.

Google Data Tools

Google Dataset Search -

<https://toolbox.google.com/datasetsearch>



Try [boston education data](#) or [weather site:noaa.gov](#)

Learn more about including your datasets in Dataset Search.

Google Public Data Explorer - <https://www.google.com/publicdata/directo>



Search public data



Public Data

Datasets

Metrics

Any data provider (113)

Eurostat (9)

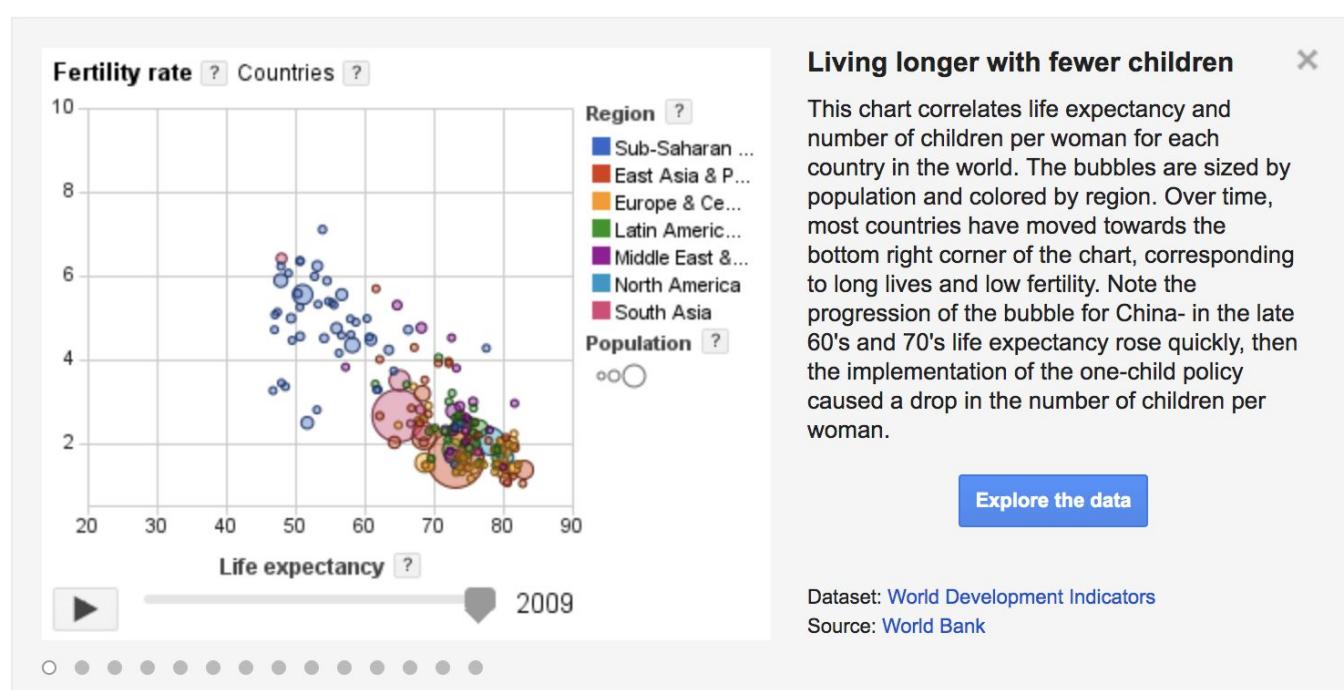
Statistics Iceland (6)

U.S. Bureau of Labor
Statistics (5)

U.S. Census Bureau (5)

Data.gov.uk (4)

My Datasets



Looking for other datasets? Find more with [Google Dataset Search](#).

[World Development Indicators](#)

[World Bank](#)

This dataset contains the World Development Indicators (WDI).

Google Scholar - <https://scholar.google.com/>

≡ **Google Scholar** 

 **Articles** About 420,000 results (0.11 sec)

Any time
Since 2019
Since 2018
Since 2015
Custom range...

Sort by relevance
Sort by date

include patents
 include citations

Create alert

Farmer education and farm efficiency in Nepal: The role of schooling, extension services, and cognitive skills
DT Jamison, PR Moock - World Development, 1984 - Elsevier
... Our choice of six years as a point at which to break the educational continuum reflects the structure of the educational **system** in Nepal, where the first-level of **education**, as defined by UNESCO, now comprises the first seven years of school.'3 Page 5 ...
☆ 99 Cited by 201 Related articles All 5 versions

Future perspective of school disaster education in Nepal
K Shiwaku, R Shaw, R Chandra Kandel... - Disaster Prevention ..., 2007 - emeraldinsight.com
Home; Browse Journals & Books; Disaster Prevention and Management: An International Journal; Volume 16, Issue 4; Future perspective of school disaster **education** in Nepal.
Future perspective of school disaster **education** in Nepal ...
☆ 99 Cited by 91 Related articles All 7 versions

Community schooling in Nepal: A genealogy of education reform since 1990
S Carney, MB Bista - Comparative Education Review, 2009 - journals.uchicago.edu
[PDF] researchgate.net
... Legislation enshrining the principle (and fragile practice) of free compulsory **education** was also suggested. Much greater public investment in **education** was seen as essential if Nepal's **education system** were to support the country's long-term economic growth ...
☆ 99 Cited by 75 Related articles All 7 versions

'Empowering' the 'local' through education? Exploring community-managed schooling in Nepal
S Carney, M Bista, J Agergaard - Oxford Review of Education, 2007 - Taylor & Francis
... Schooling 'quality', usually understood in terms of achievement rates, is also viewed as poor. The performance of the **education system** in Nepal cannot be disconnected from its struggle for democratisation. Since the establishment of multiparty democracy Page 3 ...

Using Advanced Search

-https://www.google.com/advanced_search

The screenshot shows the Google Advanced Search page. At the top, there's a navigation bar with the Google logo, a grid icon, and a 'Sign in' button. Below the navigation is the title 'Advanced Search'. The main area is divided into two columns: 'Find pages with...' and 'To do this in the search box'.

Find pages with...

- all these words:** Type the important words: `tricolor cat terrier`
- this exact word or phrase:** Put exact words in quotes: `"cat terrier"`
- any of these words:** Type OR between all the words you want: `miniature OR standard`
- none of these words:** Put a minus sign just before words you don't want: `-rodent, -"Jack Russell"`
- numbers ranging from:** to Put 2 periods between the numbers and add a unit of measure: `10..35 lb, $300..$500, 2010..2011`

Then narrow your results by...

- language:** Find pages in the language you select.
- region:** Find pages published in a particular region.
- last update:** Find pages updated within the time you specify.
- site or domain:** Search one site (like `wikipedia.org`) or limit your results to a domain like `.edu, .org or .gov`
- terms appearing:** Search for terms in the whole page, page title, or web address, or links to the page you're looking for.
- SafeSearch:** Tell SafeSearch whether to filter sexually explicit content.
- file type:** Find pages in the format you prefer.
- usage rights:** Find pages you are free to use yourself.

Advanced Search

| | |
|---|---|
| All these words is like a regular Google search | Type in all the words you want to find in the regular search bar |
| Exact word or phrase helps find results in which the words appear in the exact order you mention | Use quotes to search – for example “Ministry of Labor, Public Service and Human Resources Development” |
| Any of these words helps find results where any of the mentioned words appear | Use OR between words in a search – for example, agriculture OR farming OR crops |
| None of these words will filter out search results with words that you specify | Type the minus sign before the word you want to omit in a search – for example, “America”, -South |
| Language: specify the language of the results | - |
| Region: limit results to only websites from a geographical region | - |
| Last Update: limit results to recent content | - |
| Site or domain: Narrow search to specific website | <p>Use this format to search - <i>site:url</i></p> <p>For example: site:http://www.who.int/</p> <p>Note that the website address has to be EXACT.</p> <ul style="list-style-type: none"> ● CORRECT <i>site: https://cbs.gov.np/</i> ● WRONG <i>site: centralbureaustatistics.gov.np</i> |
| Filetype: Search only for files with a specific extension (for instance: xls, pdf, csv, doc) | <p>Use this search format - <i>Filetype:[extension]</i></p> <p>For example, here is a search term to look for XLS files:</p> <ul style="list-style-type: none"> ● CORRECT <i>filetype:xls</i> ● WRONG <i>filetype:Excel</i> |

Using Advanced Search

Now let's try using Google advanced search:

- Use '**any of these words**' to find content about **maternal health and newborn care in Nepal**
- Use '**none of these words**' to find information about **child mortality not of Nepal**
- Find content about **maternal health** only from Nepalese websites
- Find content about **cholera** in Nepal updated in the **last year**
- Search the **Nepal Central Bureau of Statistics** (<https://cbs.gov.np/>) website for **pdf** files

Google Search: Scavenger Hunt!

Use Google Search to find:

1. A PDF report on education in Nepal
2. A PDF report on the UNICEF website about immunization in Nepal
3. The 2018 national budget for Nepal
4. A spreadsheet of Nepali Coffee Exports by country for the year 2074/75 from <http://www.teacoffee.gov.np/>
5. An estimated population projection from the Nepal Central Bureau of Statistics website
6. The inflation rate in Nepal for the last 20 years
7. News about HIV in Nepal from the last week

Setting Up Alerts

Google Alerts -<https://www.google.com/alerts>

The screenshot shows the Google Alerts interface. At the top is the Google logo. Below it is a blue header bar with the word "Alerts" and the subtext "Monitor the web for interesting new content". Below the header is a search bar with a magnifying glass icon and the placeholder text "Create an alert about...". Underneath the search bar is a white box containing the text "My alerts (1)". Inside this box is a single alert entry: "'data literacy'".

Changedetection.com

The screenshot shows the ChangeDetection.com interface. At the top is the ChangeDetection.com logo and the subtext "Automatic website change logs and notification". Below this is a "welcome" message. To the left of the message is a small icon of a computer monitor. To the right is a descriptive text: "ChangeDetection.com provides page change use our service to monitor any website page page and alert you by email when we detect". Below this is a section titled "monitor a page" with two input fields: "Page Address:" and "Send alert to:". There is also a "cancel" button.

Alternative Data Sources

Example - QuakeMap.org



ABOUT TEAM PROJECTS GET INVOLVED CONTACT

Blog

Connect



DONATE

QuakeMap.org

Status: Completed

2,200 reports

Problem and Context

Nepal was hit by a massive 7.8 Mg earthquake on April 25. The total count of deaths and injuries were in the thousands. In the confusion and chaos that followed the quake, some people were looking for help while others were looking for ways to help. However, those who were seeking help did not know where to find it and those who were trying to help did not necessarily know where exactly their help was needed. Essentially, what everyone was looking for in that period was information. Crucially, it was the information that was missing.

Our Contribution

On April 26, Kathmandu Living Labs deployed QuakeMap.org with the aim of bridging this information gap so that rescue and relief efforts can be informed and expedited by reports from the ground.

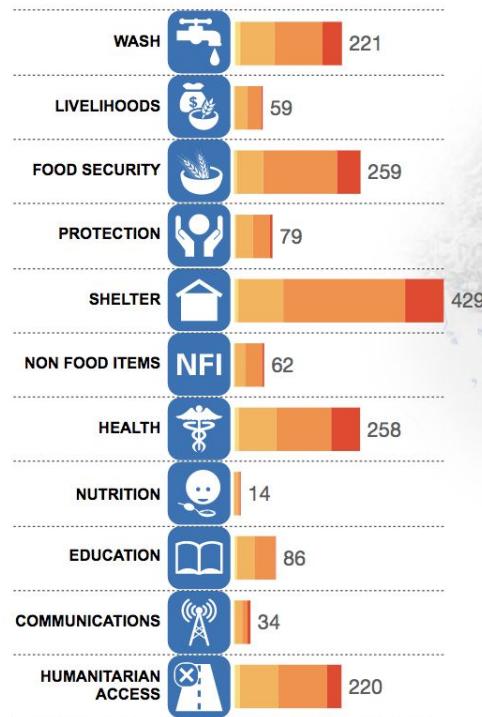


Example

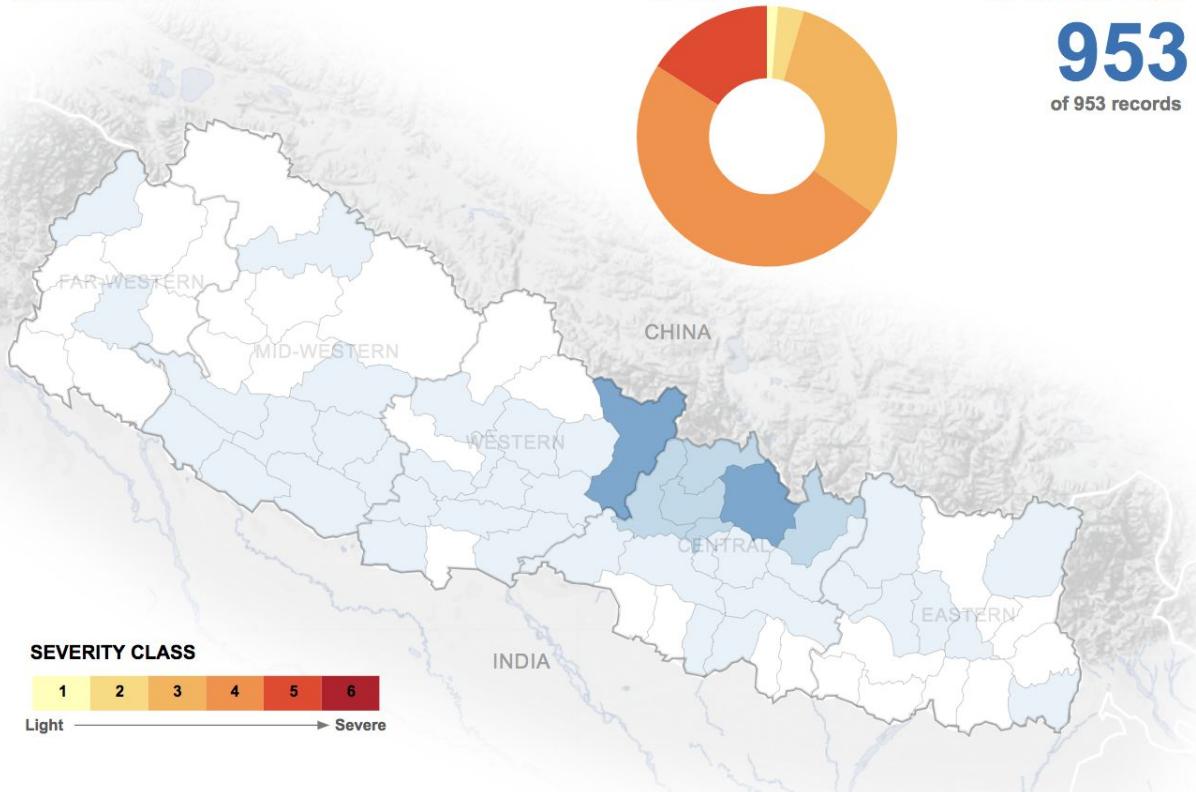
NEPAL EARTHQUAKE 2015: Humanitarian Information Review and Analysis (HIRA)

ARCHIVED Data is no longer being updated

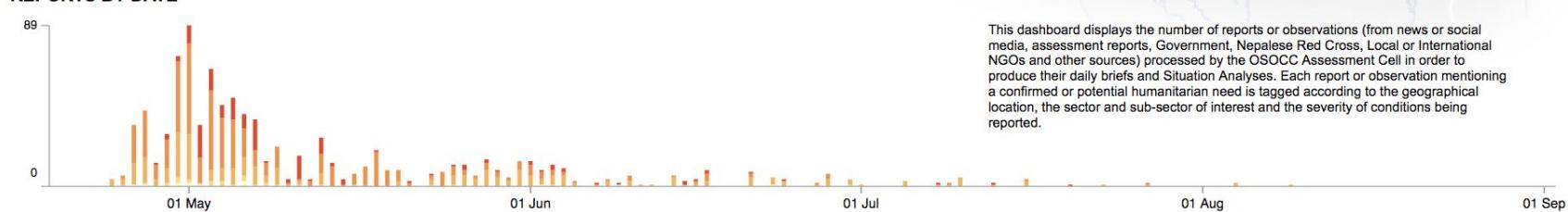
REPORTS BY SECTOR



REPORTS BY DISTRICT

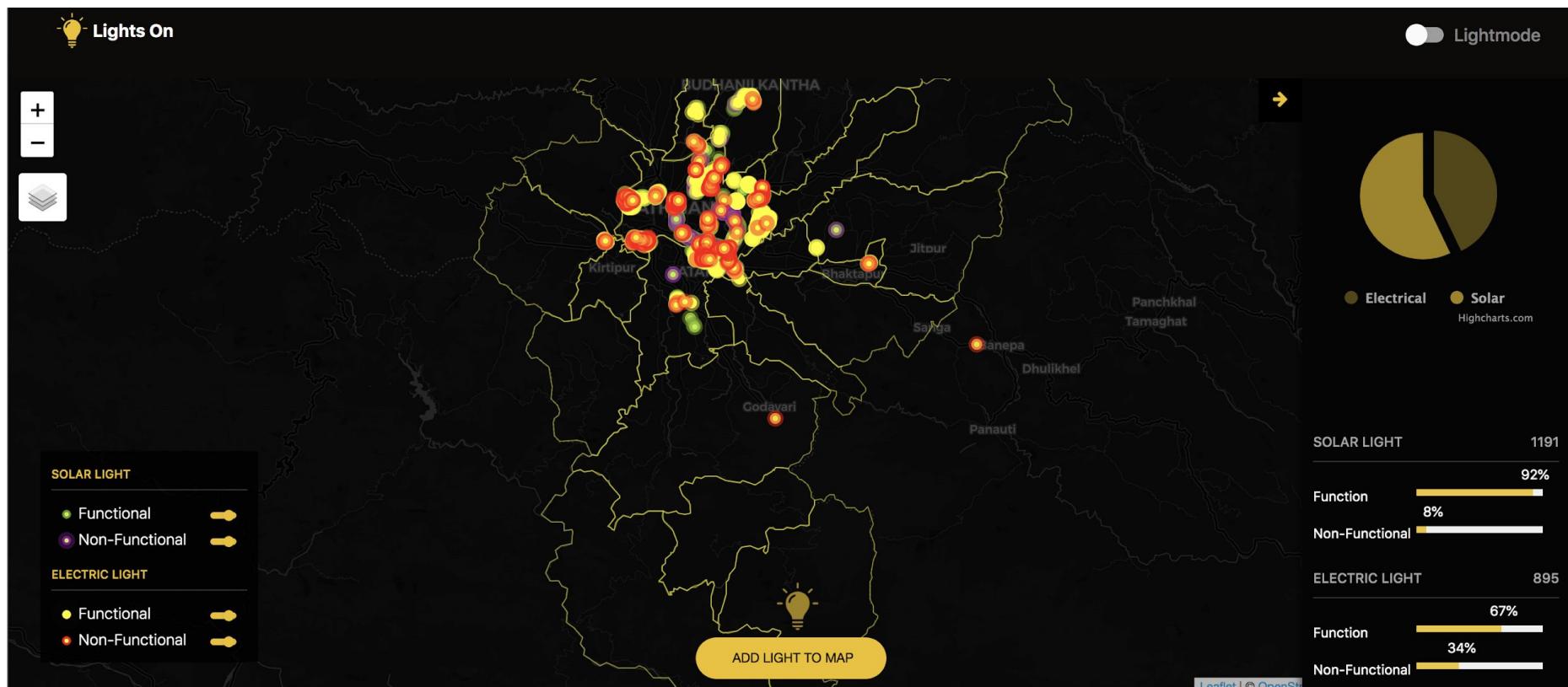


REPORTS BY DATE



This dashboard displays the number of reports or observations (from news or social media, assessment reports, Government, Nepalese Red Cross, Local or International NGOs and other sources) processed by the OSOCC Assessment Cell in order to produce their daily briefs and Situation Analyses. Each report or observation mentioning a confirmed or potential humanitarian need is tagged according to the geographical location, the sector and sub-sector of interest and the severity of conditions being reported.

Crowd-sourcing - Street light mapping



Air Quality Monitoring

[https://www.airnow.gov/index.cfm?action=airnow.global_summary#Nepal\\$Embassy_Kathmandu](https://www.airnow.gov/index.cfm?action=airnow.global_summary#Nepal$Embassy_Kathmandu)



Learn more about how the Air Quality Index [AQI] is calculated from the EPA [here](#).

Citizen Media Contributions

Nepali Times Buzz

#BreatheFree

A social media survey reveals the true extent of the health impact of Kathmandu's deteriorating air quality

Ayesha Shakya



Gopen Rai

With winter approaching, Kathmandu Valley's air pollution gets worse as the inversion layer traps dust and vehicle emissions. The mountains disappear, flights are delayed and city-dwellers develop persistent coughs.

It didn't use to be like this. Winter was the time of deep blue skies and dazzlingly clear views of the

Citizen Media Contributions - Huff Post

≡ 🔍



WORLD NEWS

[CATHOLIC CHURCH](#)

[ISRAEL](#)

[MIDDLE EAST](#)

[NORTH KOREA](#)

[U.S. NEWS](#)



Sudan Military Acknowledges Violations Against Protesters In Khartoum

More Than 70 Million People — A Record — Were Displaced In 2018, UN Says

By Sarah Ruiz-Grossman



UN Human Rights Chief Makes First Visit To Venezuela



Netherlands To Prosecute Suspects In Malaysia Airlines Flight MH17 Airliner Downing



Sensors



EKUATORIAL
Environmental news syndication

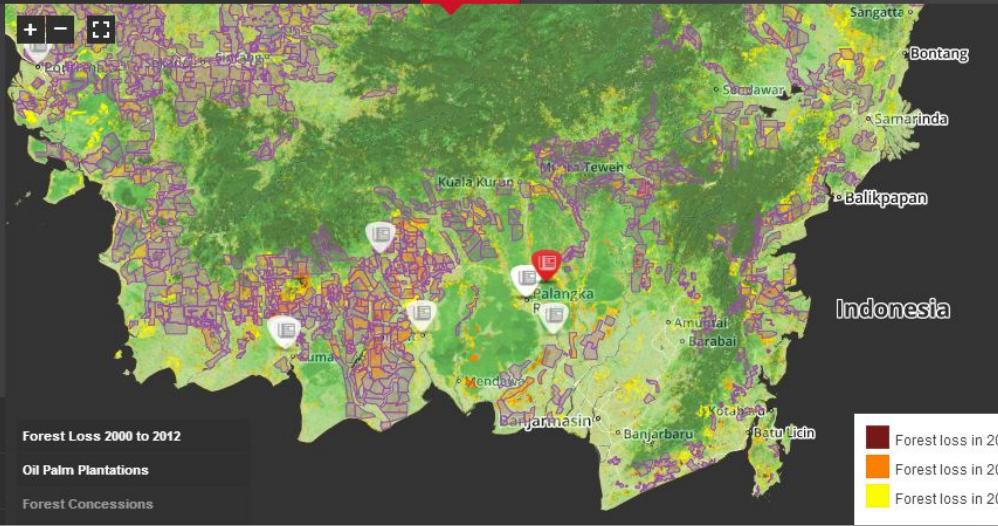
ABOUT EXPLORE OUR STORIES GET THE DATA MAPS SHARE A MAP **SUBMIT A STORY** CONTACT   id en 

Choose a publisher

FOREST FIRE HUMAN IMPACT – OCEANS CORAL OCEAN E

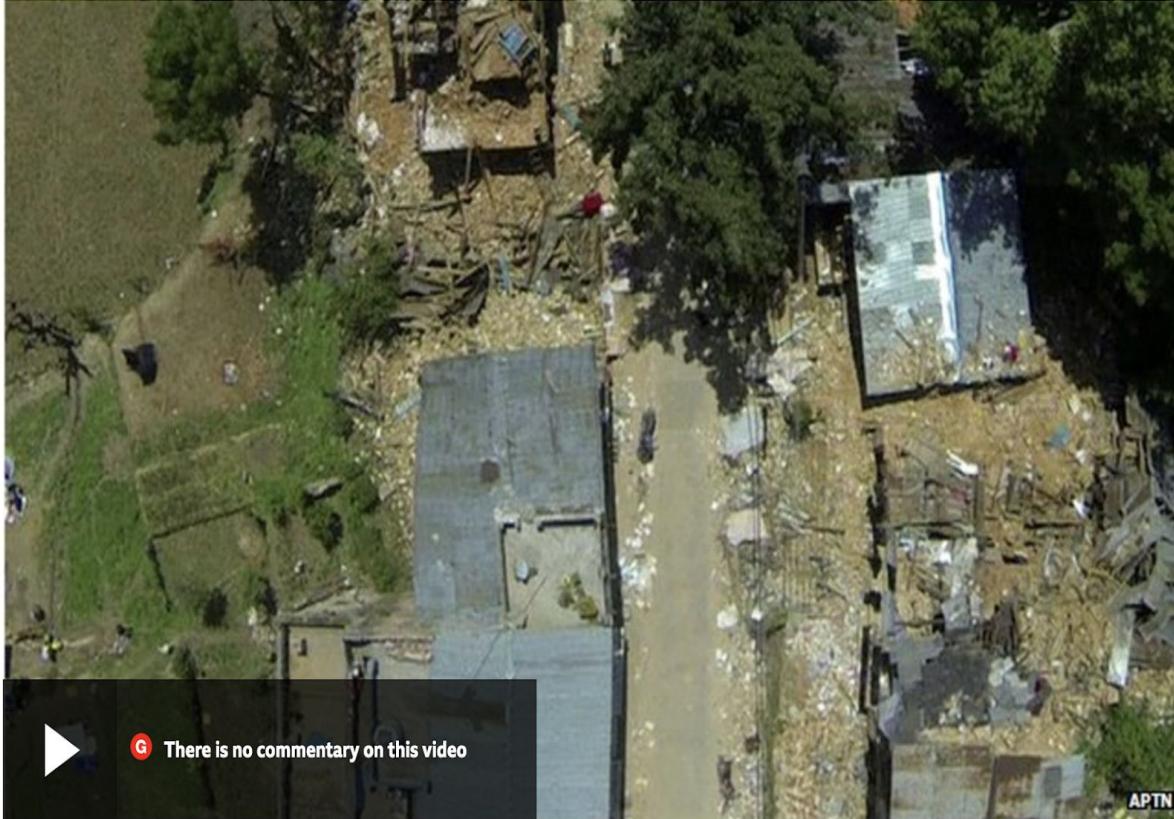
**Japan Tested Firefighting Foam**
Palangkaraya, Ekuatorial – Japan tested the effectiveness of the technology of foam for peat fire suppression, in experiments in Serbu Api team station, Kalampangan district, Palangkaraya, Central Kalimantan, Wednesday (16/9). This cooperation involves the Center for International Cooperation in Sustainable Management of Tropical Peatland (CIMTROP) from University of Palangkaraya, the University of Kitakyushu Japan, and [...] [READ MORE](#) [SHARE](#)

 30 Companies Investigated Over Haze in Riau
Police Arrest Company Executives Allegedly Involved in Land Fires


Forest Loss 2000 to 2012
Oil Palm Plantations
Forest Concessions


- Forest loss in 2000
- Forest loss in 2005
- Forest loss in 2012

Drones for aerial footage after the 2015 earthquake



G There is no commentary on this video

Nepal earthquake: Drone footage shows devastation

Aerial footage filmed by a drone has been released showing the devastation caused near the epicentre of the earthquake in Nepal.

The video was filmed in the Sindhupalchok district, 80 kilometres (50 miles) from Kathmandu.

More than 7,000 people have died in the earthquake, which measured 7.8 on the Richter scale.

03 May 2015

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Drones to estimate dumping sites



The Power of Local

FLYING LABS PROGRAMS TRAININGS COMMUNITY ABOUT US BLOG

⌚ 29th January 2019

Nepal Flying Labs Using Drones to Estimate Dumping Sites Volume in Kathmandu



In the past months, Nepal Flying Labs, hosted by the location based service provider company [NAXA pvt. Ltd.](#), carried out a drone-based topographical and cadastral mapping of Banchare Danda and Samyakholcha, the newly proposed landfill sites of Kathmandu, the capital city of Nepal.

Kathmandu has been struggling with garbage for several years. The landfill site at Sisdole in Okharpauwa, Nuwakot district, has already reached its maximum capacity. The government, including the metropolitan offices in Kathmandu, has been working to build a long-term facility for proper waste disposal in Banchare Danda, a location near the current landfill site but the progress has been too slow.

The technical team at NAXA together with Nepal Flying Labs and their business incubation program's winner Dronepal, jointly proposed the Investment Board of Nepal (which is currently supporting the construction of permanent structures at the new proposed locations), to use drone-captured images for preparing accurate maps.

Risks

