



Open data: what can it do for you?

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 @kakiac



Material available:
<https://kakiac.github.io/talks>





Business and Local Government
Data Research Centre

#data2life @BLGDataResearch

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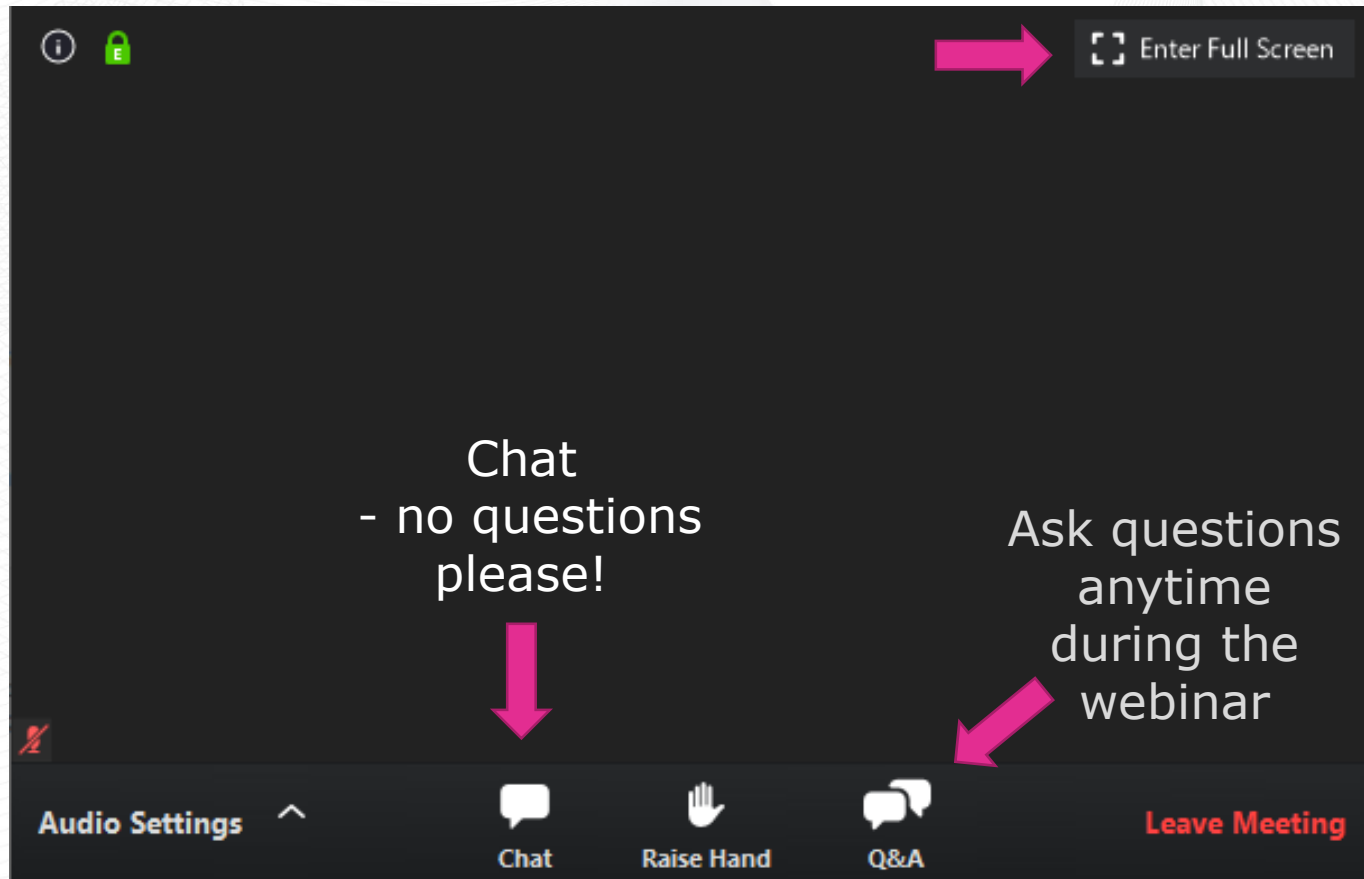
Business and Local Government
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EXPLORING DATA
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University of Essex

Webinar communication





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EXPLORING DATA
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Leading experts offering data driven solutions

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Our core mission

Combining fundamental research with applied, for impact that influences policy and informs practice.

- Methodologies and techniques for data science and artificial intelligence
- Local economic growth
- Supporting vulnerable people

Research community



Public sector



Businesses





Already benefiting

Since 2014, we have worked with private, public sector and not-for-profit organisations. By bringing the latest insights out of the university and into society, we have been part of solving real world problems.



These collaborations influence and inform best practice all over the world.

Training



Podcasts and webinars



Workshops



Grant funded data analytics projects



Collaborative projects



Data Analytics Innovation Vouchers

Forward-looking organisations are beginning to realise that it is not enough to analyse their data; they must also act on it.

- We provide grant funding to renowned researchers to solve real-life challenges
- Maximising your data by collecting, organising, linking and analysing various datasets
- Creating proof of concepts, feasibility studies and sharing best practice





Applications welcome for data analytics projects

Next application round closes
31st October 2020

Find out more:
blgdataresearch@essex.ac.uk





Outline



Open data: what are they and why should we be excited?



Open Data's Impact on society



Open data repositories: examples



Case studies: how open data can revitalise public services





What is ...





Open Data...

*Open data is **publicly** available data that can be **universally** and **readily** accessed, used and redistributed **free** of charge.*

- Openness of data exists on a continuum
- Main open data creators:
 - Governments
 - Scientists
 - Corporations
- derives its base from various “open movements”
 - such as open source, open hardware, open government, open science





Open data in the voluntary sector

- a driving force in advancing open data agendas:
 - through standard setting,
 - awareness raising,
 - defining public expectations.
- Smaller charities still lack the resources to develop the technical capacities they need to take advantage of open data.

Read more: <https://www.stateofopendata.od4d.net/chapters/stakeholders/civil-society.html>





Open data in the public sector

- shift from open data experimentation toward consolidation
 - open data = 'business as usual'.
- growing awareness of need to share and reuse data
 - need to upgrade policies, institutional structures, programmes, and practices
 - to ensure effective reuse of government data
 - secure long-term sustainability
 - ensure continuity of open data initiatives
- open data helped with digital transformation of services across countries
 - links between open data and other policy areas deemed essential

Read more: <https://www.stateofopendata.od4d.net/chapters/stakeholders/government.html>





Open data in the commercial sector

- key roles:
 - data users, data intermediaries, data providers through data collaboratives
- Incubators and accelerators support companies to apply for and use open data
- Large and small businesses use open data:
 - for business operations
 - to create new products and services.
- Open data remains largely an untapped resource
 - more support needed for SMEs to realise full benefits for business innovation.

Read more: <https://www.stateofopendata.od4d.net/chapters/stakeholders/private-sector.html>





Open Data's Impact

1.

Improving government,
primarily by

- tackling corruption
- increasing transparency
- Enhancing public services
and resource allocation

Example:



OPENING CANADA'S T3010
CHARITY INFORMATION RETURN
DATA

Accountability of Charities through
Open Data

Source: <http://odimply.org/>, GOVLAB





Open Data's Impact

2.

Empowering citizens, to take control of their lives and demand change by:

- enabling more informed decision making
- enabling new forms of social mobilisation
- Facilitating new ways of communicating and accessing information

Example:



Source: <http://odimply.org/>, GOVLAB





Open Data's Impact

3.

Creating opportunity, for citizens and businesses by:

- Fostering innovation
- Promoting economic growth
- Creating jobs

Example:



Source: <http://odimpact.org/>, GOVLAB





Open Data's Impact

4. Solving public problems, by:

- Allowing citizens and policy makers access to **new forms of data-driven assessment** of the problems
- Enabling data-driven engagement producing more **targeted interventions** and **enhanced collaboration**

Example:



Source: <http://odimply.org/>, GOVLAB



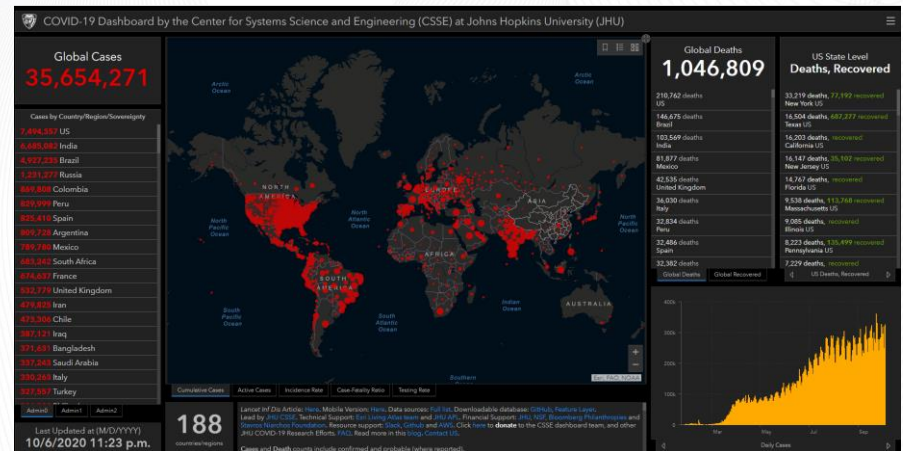


Open Data's Impact

4. Solving public problems, by:

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Example:



COVID-19 dataset

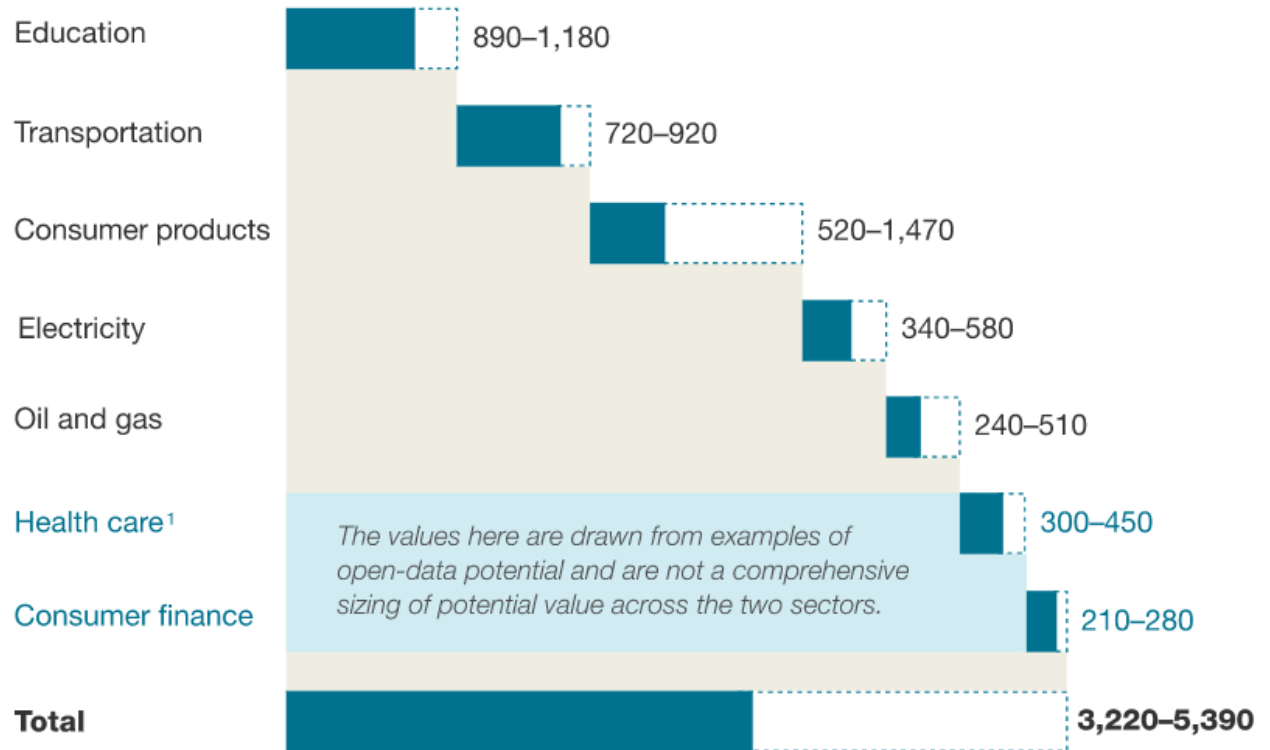
Source: Dong E, Du H, Gardner L. An interactive web-based dashboard to track COVID-19 in real time. Lancet Inf Dis. 20(5):533-534. doi: 10.1016/S1473-3099(20)30120-1



Economic Impact of Open Data

Open data can help unlock \$3 trillion to \$5 trillion in economic value annually across seven sectors.

Potential value in open data, \$ billion



¹Includes US values only.

Source: McKinsey Global Institute analysis

<https://www.mckinsey.com/business-functions/mckinsey-digital/our-insights/open-data-unlocking-innovation-and-performance-with-liquid-information#>



Examples of Open Data Portals

Find open data

Find data published by central government, local authorities and public bodies to help you build products and services

[Business and economy](#)

Small businesses, industry, imports, exports and trade

[Crime and justice](#)

Courts, police, prison, offenders, borders and immigration

[Defence](#)

Armed forces, health and safety, search and rescue

[Education](#)

Students, training, qualifications and the National Curriculum

[Environment](#)

Weather, flooding, rivers, air quality, geology and agriculture

[Government](#)

Staff numbers and pay, local councillors and department business plans

[Government spending](#)

Includes all payments by government departments over £25,000

[Health](#)

Includes smoking, drugs, alcohol, medicine performance and hospitals

[Mapping](#)

Addresses, boundaries, land ownership, aerial photographs, seabed and land terrain

[Society](#)

Employment, benefits, household finances, poverty and population

[Towns and cities](#)

Includes housing, urban planning, leisure, waste and energy, consumption

[Transport](#)

Airports, roads, freight, electric vehicles, parking, buses and footpaths



Open access to Scotland's official statistics

Explore, visualise and download over 250 datasets from a range of producers. Start browsing by [theme](#), [organisation](#), or [geography](#). Or access programmatically using our [APIs](#).

[Find places](#) [Find data](#)

Getting started

[Introduction](#)

An overview of the features of statistics.gov.scot.

[Browse Data](#)

Explore, filter and visualise all our datasets via the [Data](#) section.

[Browse Areas](#)

Use our [Atlas](#) feature to explore areas about which we publish data.

[About](#)

Some background about statistics.gov.scot.

Guides

[User guides index](#)

Search and browse our collection of user guides. A selection of popular guides are listed below.

[Data Cart](#)

How to use the data cart to make custom collections of data, and download them for re-use.

[Viewing Data on a Map](#)

We often get asked by users how they can view data on a map.

[Downloading Data](#)

Our website offers a variety of ways to download data.

We use some necessary cookies to make this site work and we also set some analytics cookies. [More details](#)

Got it!

Our users often tell us that they like to be able to visualise trends in datasets over time.

These partner organisations contribute data to statistics.gov.scot



Your data cart contains **0 rows** and **0 columns**.

Managed by the Scottish Government, this site provides a range of official statistics about Scotland from a variety of data producers, for information and re-use. [Read more](#) about the site, or get in touch: statistics.opendata@gov.scot.

See our [User Guides](#)

This site uses [cookies](#), respects your [privacy](#) and works hard to be [accessible](#) to everyone.



statswales.gov.wales/

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As the demand increases for statistics and data to measure the impact of the COVID-19 pandemic, we have had to change our data gathering and release practices, focussing efforts on priority analysis and statistics. <https://gov.wales/statistics-and-research>

Catalogue

- Agriculture
- Business, economy and labour market
- Census
- Community safety and social inclusion
- Education and skills
- Environment and countryside
- Equality and diversity
- Health and social care
- Housing
- Local government
- National Survey for Wales
- Population and migration
- Sustainable development
- Taxes devolved to Wales
- Tourism
- Transport
- Well-being
- Welsh Government
- Welsh language

Detailed official data on Wales

StatsWales is a free-to-use service that allows you to view, manipulate, create and download tables from Welsh data.

Take a tour



Latest

- Help to Buy - Wales completed leasehold purchases by date 06/10/2020
- Annual Population Survey - Ability to speak Welsh by local authority and year 06/10/2020
- Annual Population Survey - Ability to speak Welsh by age, sex and year 06/10/2020
- Annual Population Survey - Ability to read, write and understand spoken Welsh by local authority and year 06/10/2020
- Annual Population Survey - Ability to read, write and understand spoken Welsh by age, sex and year 06/10/2020



Most viewed

Last 7 days Last 30 days Last 365 days All time

- Ethnicity by area and ethnic group
- Council tax levels by billing authority and band (£)
- Population estimates by local authority and year
- Community council precepts by community council
- Schools by local authority, region and Welsh medium type
- Employment rate by Welsh local area, year and gender
- Welsh Index of Multiple Deprivation 2019 by rank, decile and quintile, Lower-layer Super Output Area (LSOA)
- Population estimates by local health boards and age
- Gender pay difference in Wales by year (median hourly earnings full-time employees excluding overtime) (£)
- Population density (persons per square kilometre) by local authority and year

 Health	 Education	 Finance
 Environment & agriculture	 Property & land	 Tourism, leisure, culture & arts
 Population & society	 Transport	 Economy, industry & employment

Latest

Belfast City Council seeking innovative solutions to COVID-19 response

April 28, 2020

Belfast City Council is working with government, our universities, and the community & voluntary sectors to support a coordinated contribution by the digital innovator...

[> More](#)

Coronavirus and open data

April 16, 2020

The demand for access to data to aid public understanding of governmental responses to the coronavirus pandemic has been notable across the world. The Center for...

[> More](#)

OpenDataNI Innovation & Outreach Fund 2020 - And the winners are.....

March 4, 2020

A key strand of the Open Data Strategy for Northern Ireland 2020-2023, the OpenDataNI Innovation and Outreach Fund aims to promote NI government Open Data re-use, stimulate...

[> More](#)

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www.opendatani.gov.uk/



Local Authorities Open data portals

The collage displays several local authority open data portals:

- Aberdeenshire Council:** Features a search bar, navigation menu (Home, Help and access to information, Open data), and an 'Open data' section with a 'Coronavirus (COVID-19)' update and 'Available feeds' (Files).
- data.dundee.gov.uk:** Shows a search bar and a navigation menu (DATASETS, ORGANISATIONS, THEMES, ABOUT).
- LONDON DATASTORE:** Includes a search bar, a 'MAYOR OF LONDON' header, and categories like JOBS AND ECONOMY, TRANSPORT, ENVIRONMENT, COMMUNITY SAFETY, and HOUSING.
- ESSEX OPEN DATA:** Features a navigation menu (Topics, Datasets, Tools, Research, Blog, Feedback, FAQs) and a search bar for 153 datasets.
- Suffolk County Council:** Shows a search bar and a section for 'Open Data Suffolk' with a search bar and a list of datasets.

Other elements include a 'Search data' section with a search bar and a list of popular tags (environment, economy, health, community, parks, culture, education, cycling, transport) and a section for 'Open Datasets by theme' with categories like Council and Transparency, Education and Skills, Communities and People, and Health and Social.



World Health Organisation Open data

<https://www.who.int/gho/database/en/>

The screenshot shows the WHO Global Health Observatory (GHO) data repository website. At the top, there is a navigation bar with 'Global' and 'Regions' dropdown menus, followed by language options: 'عربي', '中文', 'English', 'Français', 'Русский', and 'Español'. A search icon is on the right. Below this is the WHO logo and the text 'World Health Organization'. A secondary navigation bar contains 'Home', 'Health Topics', 'Countries', 'Newsroom', 'Emergencies', 'Data', and 'About Us'. The main content area is titled 'Global Health Observatory (GHO) data' and features a sidebar with links: 'Global Health Observatory data', 'Data repository', 'Reports', 'Country statistics', 'Map gallery', and 'Standards'. The main content includes a section for 'The data repository' with a thumbnail image of the data interface, a link to 'Browse the GHO data repository', and a 'Contact us' section with the text 'Please send us your comment or question by e-mail.'



World Bank Open Data

<https://data.worldbank.org/>

The screenshot shows the World Bank Open Data website. At the top left is the World Bank logo and the text 'THE WORLD BANK | Data'. To the right, it says 'This page in: English Español Français العربية 中文'. Below this is a navigation bar with 'DataBank', 'Microdata', and 'Data Catalog' links, along with a menu icon. A link 'New to this site? Start Here' is also present. The main heading is 'World Bank Open Data' with the subtitle 'Free and open access to global development data'. A search bar contains the text 'Search data e.g. GDR, population, Indonesia'. Below the search bar is a 'Browse by Country or Indicator' link. The page is divided into several sections: 'MOST RECENT' with three news items about COVID-19 in Malawi, national statistical offices, and gender equality; 'WHAT YOU CAN LEARN WITH OPEN DATA' featuring a placeholder for a chart and the title 'Extreme Poverty' with a sub-headline 'The proportion of the world's population living in extreme poverty has dropped significantly'; and 'Understanding COVID-19 through data' with a line chart showing data trends and the title 'COVID-19 Data' dated 'Apr 01, 2020'. At the bottom, there is an 'ICD' logo, a 'Barbados' dropdown menu, a 'RECENTLY UPDATED DATASETS' section, and a 'Help / Feedback' button.



Google Public Data Explorer

<https://www.google.com/publicdata/directory>

The screenshot shows the Google Public Data Explorer interface. At the top is the Google logo and a search bar containing "Search public data". Below the search bar is the "Public Data" section with a "Language" dropdown menu. On the left, there is a sidebar with "Datasets" and "Metrics" sections. The main content area displays a line chart titled "Gross domestic product at PPP - Base Case" with a question mark icon. The chart shows GDP in trillions of dollars from 2010 to 2060 for China (red line), United States (green line), India (orange line), and Europe (blue line). China's GDP is projected to rise most sharply, surpassing the others by 2060. To the right of the chart is a text box titled "China and India surpassing the European economy in size" with a close button. The text discusses economic power structure changes and mentions the Frederick S. Pardee Center for International Futures. Below the text is an "Explore the data" button and source information.

Gross domestic product at PPP - Base Case

Year	China	United States	India	Europe
2010	~\$5T	~\$12T	~\$2T	~\$15T
2020	~\$10T	~\$15T	~\$5T	~\$18T
2030	~\$15T	~\$18T	~\$10T	~\$20T
2040	~\$25T	~\$22T	~\$15T	~\$22T
2050	~\$35T	~\$25T	~\$20T	~\$23T
2060	~\$45T	~\$28T	~\$25T	~\$24T

China and India surpassing the European economy in size

The economic power structure is changing according to forecasts by the Frederick S. Pardee Center for International Futures. Measuring GDP, the value of all goods and services produced in an economy at purchasing power parity (adjusting for price differences across countries), the top 3 economic powers in 2060 will be China, the US, and India- pushing Europe from the throne.

[Explore the data](#)

Dataset: IFs Forecast - Version 7.45
Source: Frederick S. Pardee Center for International Futures

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

[World Development Indicators](#)

[World Bank](#)

This dataset contains the World Development Indicators (WDI).



EU Open Data Portal

<https://data.europa.eu/euodp/en/data/>

The screenshot shows the EU Open Data Portal interface. At the top right, there are links for Sitemap, Legal notice, and Contact, along with a language dropdown set to English (en). The main header features the EU flag and the text 'EU Open Data Portal' with the subtitle 'Access to European Union open data'. Below this is a breadcrumb trail: EUROPA > EU Open Data Portal > Data, and a 'Share' button. A navigation bar contains buttons for Home, Data (active), Applications, Linked data, Visualisations, Developers' corner, and About. The main content area is divided into two columns. The left column has a search bar with the placeholder 'Search datasets...', a search icon, and options to 'Show results with: all of these words', 'any of these words', or 'the exact phrase'. It also displays 'Total datasets available: 15643'. The right column has a 'Suggest a dataset' section with the text 'Is there any data you would like to find on the portal?' and a 'Make a suggestion' button. Below the search bar is a 'Most viewed datasets' section with a 'view all' link, listing 'COVID-19 Coronavirus data' (401911 views) and 'Consolidated list of persons, groups and entities subject to EU financial sanctions' (199602 views). At the bottom right, there is a 'Browse datasets by subject or groups' section with icons for Agriculture, fisheries, Economy and finance, and Education, culture and...





U.S. Census Bureau

<https://www.census.gov/data.html>

United States Census Bureau

Search

BROWSE BY TOPIC EXPLORE DATA LIBRARY SURVEYS/ PROGRAMS INFORMATION FOR... FIND A CODE ABOUT US

Try out our new way to explore data

Search SEARCH

GO TO DATA.CENSUS.GOV

United States Census Bureau

Search

BROWSE BY TOPIC EXPLORE DATA LIBRARY SURVEYS/ PROGRAMS INFORMATION FOR...

data.census.gov Resources

United States

United States of America

POPULATION IN NORTH AMERICA

People and Population

Race and Ethnicity

United States

ACS DEMOGRAPHIC AND HOUSING ESTIMATES

2,108 Results Filter Download

ACS DEMOGRAPHIC AND HOUSING ESTIMATES

Survey/Program: American Community Survey

Is this page helpful? x

Yes No





Registry of Open Data on Amazon WS (RODA)

<https://registry.opendata.aws/>

Registry of Open Data on AWS



About

This registry exists to help people discover and share datasets that are available via AWS resources. [Learn more about sharing data on AWS.](#)

See [all usage examples for datasets listed in this registry.](#)

See datasets from [Facebook Data for Good](#), [NASA Space Act Agreement](#), [NIH STRIDES](#), [NOAA Big Data Program](#), [Space Telescope Science Institute](#), and [Amazon Sustainability Data Initiative](#).

Search datasets (currently 195 matching datasets)

Add to this registry

If you want to add a dataset or example of how to use a dataset to this registry, please follow the instructions on the [Registry of Open Data on AWS GitHub repository](#).

Unless specifically stated in the applicable dataset

The Cancer Genome Atlas

[cancer](#) [genomic](#) [life sciences](#) [STRIDES](#) [whole genome sequencing](#)

The Cancer Genome Atlas (TCGA), a collaboration between the National Cancer Institute (NCI) and National Human Genome Research Institute (NHGRI), aims to generate comprehensive, multi-dimensional maps of the key genomic changes in major types and subtypes of cancer. TCGA has analyzed matched tumor and normal tissues from 11,000 patients, allowing for the comprehensive characterization of 33 cancer types and subtypes, including 10 rare cancers. The dataset contains open Clinical Supplement, Biospecimen Supplement, RNA-Seq Gene Expression Quantification, miRNA-Seq Isoform Expression Quantificati...

[Details](#) →

Usage examples

- [Cell-of-Origin Patterns Dominate the Molecular Classification of 10,000 Tumors from 33 Types of Cancer](#) by Katherine A. Hoadley, Christina Yau, et al.
- [Molecular Characterization and Clinical Relevance of Metabolic Expression Subtypes in Human Cancers](#) by Xinxin Peng, Zhongyuan Chen, et al.
- [ISB Cancer Genomics Cloud](#) by Institute for Systems Biology
- [Scalable Open Science Approach for Mutation Calling of Tumor](#)



Zenodo EU research oriented (CERN)

<https://zenodo.org/>

The screenshot shows the Zenodo website interface. At the top, there is a blue navigation bar with the Zenodo logo, a search bar, and links for 'Upload' and 'Communities'. On the right side of the navigation bar are 'Log in' and 'Sign up' buttons. Below the navigation bar, the main content area is divided into two sections. The first section is titled 'COVID-19 related communities' and features a card for 'Chicago COVID-19 Response'. This card includes a thumbnail image of a virus, a description of the repository, and buttons for 'Browse' and 'New upload'. The second section is titled 'Featured uploads related to COVID-19' and displays three featured items, each with a date, version, and category (Dataset or Software) in a colored box. The first featured item is 'OpenAIRE Covid-19 publications, datasets, software and projects metadata', the second is 'New York Times Coronavirus (Covid-19) Data in the United States', and the third is 'tsleng93/SocialBubble: SocialBubble'.



OECD Government Data

<https://www.oecd.org/gov/digital-government/open-government-data.htm>

OECD.org Data Publications More sites News Job vacancies

OECD BETTER POLICIES FOR BETTER LIVES

OECD Home About Countries Topics Coronavirus (COVID-19) Français

OECD Home > Directorate for Public Governance > Digital government > Open Government Data

> Anti-corruption and integrity in the public sector

> Budgeting and public expenditures

> Digital government

> Gender mainstreaming, governance and leadership

> Illicit trade

> Infrastructure governance

> Innovative government

> Open government

Open Government Data

What is Open Government Data?

Open Government Data (OGD) is a philosophy- and increasingly a set of policies - that promotes transparency, accountability and value creation by making government data available to all. Public bodies produce and commission huge quantities of data and information. By making their datasets available, public institutions become more transparent and accountable to citizens. By encouraging the use, reuse and free distribution of datasets, governments promote business creation and innovative, citizen-centric services.

OECD Open Government Data project

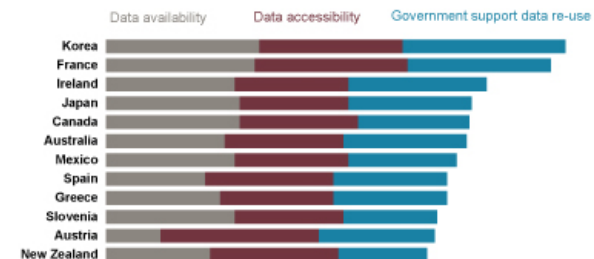
OGD can pose some tricky questions for

OECD OURdata Index on Open Government Data

The OECD OURdata Index assesses governments' efforts to implement open data in the three critical areas - Openness, Usefulness and Re-usability of government data.

OURdata Index: Open-Useful-Reusable Government Data 2019

Composite index: 0 lowest to 1 highest





Data.gov (US)



DATA TOPICS ▾ RESOURCES STRATEGY DEVELOPERS CONTACT

The home of the U.S. Government's open data

Here you will find data, tools, and resources to conduct research, develop web and mobile applications, design data visualizations, and [more](#).

For information regarding the Coronavirus/COVID-19, please visit [Coronavirus.gov](https://www.coronavirus.gov).

<https://www.data.gov/>

GET STARTED

SEARCH OVER 208,977 DATASETS



Manufacturing & Trade Inventories & Sales



HIGHLIGHTS

Improving Access to Older Adult Health Data for Timely Use Amid COVID-19 and Beyond

Today marks the launch of the [Older Adults Health Data Collection](#) – a new resource cataloging over 200 Federal datasets previously available on Data.gov related to the health of older Americans. This centralized location will assist experts from academia, industry, government, civil society, and the public in accessing datasets from various Federal agencies and across a range of health-related issues (e.g. health status, health risks and behaviors, and health care) to advance our collective knowledge and understanding of the health of older adults.

Analyzing data on the older adult population in the time periods before, during, and after the pandemic is an important step to gaining a better understanding of both the health of this age group as well the immediate and long-term impacts of the pandemic. The *Older Adults Health Data Collection* contains datasets that capture outcomes directly related to COVID-19 as well as others that do not, and the number of COVID-19 related datasets in the collection is anticipated to grow over time. Datasets without COVID-19-specific data elements still provide important context on the health of older adults before the pandemic and are likely to incorporate COVID-19 data

EXPI
ENH
EMP



University of Essex



FiveThirtyEight

https://data.fivethirtyeight.com/

FiveThirtyEight





Politics Sports Science & Health Economics Culture

Our Data

We're sharing the data and code behind some of our articles and graphics.
We hope you'll use it to check our work and to create stories and visualizations of your own.

● UPDATING

DATA SET	RELATED CONTENT
nba-forecasts	2019-20 NBA Predictions 19 minutes ago ● info 
trump-approval-ratings	How Popular Is Donald Trump? 31 minutes ago ● info 

The background is a solid pink color with a subtle, light-colored grid pattern. A large, dark pink, curved shape, resembling a stylized letter 'C' or a thick brushstroke, is positioned in the upper half of the image. The text is centered in the lower half of the image.

Case studies: how open data can revitalise public services



Open data being used to create or improve public services

Essex Centre for Data Analytics: tackling issues earlier through smarter use of data





Using open geospatial data to make a difference

Falkirk Council collaborated with thinkWhere to develop a simple mapping platform to support the Fairer Falkirk strategy. The open source platform presents data from OpenStreetMap on a map that will help local community groups and citizens to find and access local services.



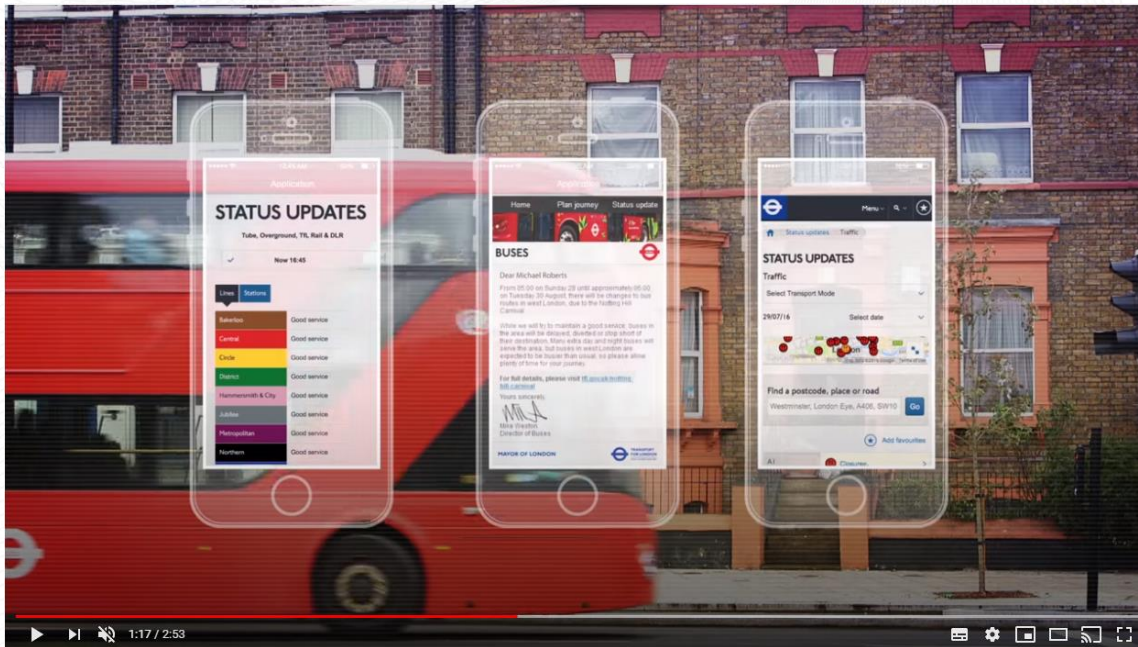
Read more: <https://theodi.org/project/local-governments-using-open-geospatial-data-to-make-a-difference/#1561369304813-98242c28-4c69>





Open data for increasing access to public services

Transport for London: open transport data for citizens and innovators



Read more:

<https://theodi.org/projects-services/projects/public-service-delivery-case-studies#1543999447528-f2e9482c-f7d8>





Additional Material & Resources

- Selected Readings on Open Data Legislation and Policy:
 - <https://medium.com/open-data-policy-lab/selected-readings-on-open-data-legislation-and-policy-95b2c7146fbb>
- Open Data Policy Lab
 - <https://opendatapolicylab.org/>
- The GOVLAB: Open Data's Impact. Explore the impact of open data around the world
 - <http://odimpact.org/>
- GOBLAV resources: building new technology to solve public problems
 - <http://www.thegovlab.org/projects.html>
- The OD500 Global Network: a study of companies that use open government data to generate new business and develop new products and services.
 - <http://www.opendata500.com/>





Additional Material & Resources

- Local government using open geospatial data to make a difference:
 - <https://theodi.org/project/local-governments-using-open-geospatial-data-to-make-a-difference/>
- ODI "Data and Public Services Toolkit"
 - <https://theodi.org/project/using-data-public-sector/>
 - <https://theodi.org/service/tools-resources/data-and-public-services-toolkit/>
- Local Authorities in UK: More case studies & examples
 - <https://theodi.org/projects-services/projects/public-service-delivery-case-studies>
- ODI Data and Public Services Business Case Canvas
 - <https://theodi.org/article/data-and-public-services-business-case-canvas/>
- Alan Turing London air Quality project (using Machine Learning and Open data)
 - <https://www.turing.ac.uk/research/research-projects/london-air-quality>
- Open Data Charter consortium
 - <https://opendatacharter.net/>





Additional Material & Resources

- Open data: Unlocking innovation and performance with liquid information:
 - <https://www.mckinsey.com/business-functions/mckinsey-digital/our-insights/open-data-unlocking-innovation-and-performance-with-liquid-information#>
- State of open data 2019 report
 - <https://www.digital-science.com/blog/news/the-state-of-open-data-2019/>
 - [https://figshare.com/articles/The State of Open Data Report 2019/9980783](https://figshare.com/articles/The_State_of_Open_Data_Report_2019/9980783)
 - <https://www.stateofopendata.od4d.net/>
- Open Data EU policy brief
 - <https://ec.europa.eu/digital-single-market/en/open-data>
- OECD Open, Useful and Re-usable data (OURdata) Index: 2019
 - <http://www.oecd.org/gov/digital-government/ourdata-index-policy-paper-2020.pdf>



Material available:

<https://kakiac.github.io/talks>

Q & A session



Tell us what you thought of this webinar:

<http://bit.ly/BLGOpenDataSurvey>



UPCOMING WEBINARS

Exploring data, enhancing knowledge, empowering society

The visualisation of data

18th November 2020 10:30 AM

Social Return on Investment (SROI): Measuring your value

13th January 2021 10:30 AM

Plus coming soon...

- Asking the right questions to get the right answers (best practice in evaluation forms and impact assessment)
- Evidencing need
- Exploring your text data

Register online: www.BLGdataresearch.org





Thank you

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