Open Data

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[Enlace Github](https://github.com/santiagomota/Open_Data)

## Fuentes de datos abiertos y APIs

* [CRAN Task View OpenData](https://github.com/ropensci/opendata)
* [Datos en paquetes de R](http://stat.ethz.ch/R-manual/R-patched/library/datasets/html/00Index.html)
* [Kaggle datasets](https://www.kaggle.com/datasets)
* [Revolution Analytics datasets (Microsoft R)](https://mran.revolutionanalytics.com/documents/data/)
* [UCI Machine Learning Repository](http://archive.ics.uci.edu/ml/)
* [DH Network](http://opendhn.dhnetwork.opendata.arcgis.com/)
* [9 Datasets para sistemas de recomendación](http://www.lab41.org/nine-datasets-for-investigating-recommender-systems/?utm_campaign=Data%2BElixir&utm_medium=email&utm_source=Data_Elixir_71)
* [Helsinki Open Data](http://www.hri.fi/en/)
* [Datasets de Quandl](https://www.quandl.com/search?query=)
* Amazon AWS: [este](http://aws.amazon.com/es/datasets/) y [este](https://aws.amazon.com/es/public-data-sets/)
* [Gobierno Estados Unidos](http://www.data.gov/)
* [Datos abiertos de la Unión Europea](http://open-data.europa.eu/es/data/)
* [Recopilatorio de datasets en Github](http://www.datasciencecentral.com/profiles/blogs/great-github-list-of-public-data-sets)
* [API de GitHub](https://developer.github.com/v3/)
* [API de Facebook](https://developers.facebook.com/docs/graph-api)
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* [OCDE](https://data.oecd.org/)
* [19 Free Public Data Sets For Your First Data Science Project](https://www.mysliderule.com/blog/free-public-data-sets-data-science-project/?__s=atijywgwsusv7a2xfbee)
* [Open data EMT](http://opendata.emtmadrid.es/)
* [Datos abiertos del gobierno de España](http://datos.gob.es/)
* [Datos abiertos del Ayuntamiento de Madrid](http://datos.madrid.es/)
* [Datos abiertos de la Generalitat de Cataluña](http://dadesobertes.gencat.cat/es/)
* [Datos abiertos Junta de Andalucía](http://www.juntadeandalucia.es/datosabiertos/portal.html)
* [Datos abiertos de Santander](http://datos.santander.es/)
* [Natural Earth](http://www.naturalearthdata.com/)
* [Fuentes de datos espaciales](http://www.diva-gis.org/Data)
* [Opendata del CERN](http://opendata.cern.ch/)
* [Paquete de R ‘datasets’](http://stat.ethz.ch/R-manual/R-patched/library/datasets/html/00Index.html)
* [46 museos y bibliotecas que han digitalizado todo su conocimiento y lo ofrecen gratis en internet](http://www.xataka.com/otros/46-museos-y-bibliotecas-que-han-digitalizado-todo-su-conocimiento-humano)
* [Infraestructura de Datos Espaciales de España](http://idee.es/web/guest/centros-de-descarga?p_p_id=NewCentrosDescarga_WAR_NewCentrosDescargaportlet&p_p_lifecycle=1&p_p_state=normal&p_p_mode=view&p_p_col_id=column-1&p_p_col_count=1&_NewCentrosDescarga_WAR_NewCentrosDescargaportlet_tipoAmbito=LOCAL)
* [Infraestructura de Datos Espaciales de la Comunidad de Madrid](http://www.madrid.org/cartografia/idem/html/web/index.htm)
* [Microsoft Cognitive Services](https://www.microsoft.com/cognitive-services/)
* [Microsoft Project Oxford](https://www.projectoxford.ai/)
* [Google Cloud Vision API](https://cloud.google.com/vision/)
* [Análisis de 1.100 millones de trayectos de taxis y uber en NYC](https://github.com/toddwschneider/nyc-taxi-data)
* [European Data Portal](http://www.europeandataportal.eu/)
* [Propublica](https://www.propublica.org/data/)
* [NOAA. Agencia de meteo. USA.](http://www.nesdis.noaa.gov/index.html)
* [Datosclima. Base de datos meteo](http://datosclima.es/Aemet2013/DescargaDatos.html)
* [Dirección General de Tráfico (DGT)](https://sedeapl.dgt.gob.es/WEB_IEST_CONSULTA/inicio.faces)
* [National Historical Geographic Information System (NHGIS)](https://www.nhgis.org/)
* [Datos de todos los vuelos en USA entre 1987 y 2008 (datos originales)](http://stat-computing.org/dataexpo/2009/the-data.html)
* [Datos de todos los vuelos en USA entre 1987 y 2008 (otra fuente y ejemplos de uso en H2O). 120G](https://github.com/h2oai/h2o-2/wiki/Hacking-Airline-DataSet-with-H2O)
* [Conferencia internacional de datos abiertos en Madrid](http://opendatacon.org/)
* [Open Data Inception. 1.600 portales abiertos](http://wwwhatsnew.com/2016/03/19/open-data-inception-recopilacion-de-1600-portales-de-datos-abiertos/?utm_content=buffer4e4d4&utm_medium=social&utm_source=linkedin.com&utm_campaign=buffer)
* [Yahoo Flickr Creative Commons 100 Million (YFCC100m) dataset](http://yfcc100m.appspot.com/)
* [ImageNet database](http://www.image-net.org/)
* [Deep Learning datastsets](http://deeplearning.net/datasets/)
* [API TomTom. Tráfico en ciudades](http://developer.tomtom.com/products/onlinenavigation/onlinetraffic/onlinetrafficflow)
* [Mapas de Open Street Maps](http://download.geofabrik.de/)
* [European Data Portal](https://www.europeandataportal.eu/)
* [20 Awesome Websites For Collecting Big Data](https://datafloq.com/read/20-awesome-websites-for-collecting-big-data/2737?utm_source=Datafloq%20newsletter&utm_campaign=979b1fada5-EMAIL_CAMPAIGN_2017_03_13&utm_medium=email&utm_term=0_655692fdfd-979b1fada5-90449429)
* [Climate Data Online](https://www.ncdc.noaa.gov/cdo-web/)
* [Una recopilación de APIs públicas](https://github.com/toddmotto/public-apis)
* [Una recopilación de datasets públicos](https://github.com/caesar0301/awesome-public-datasets)
* [Recopilación de datasets de BigML](https://blog.bigml.com/list-of-public-data-sources-fit-for-machine-learning/)
* [Datasets de ejemplo de IBM Watson Analytics](https://www.ibm.com/communities/analytics/watson-analytics-blog/guide-to-sample-datasets/)
* [70 amazing and free data sources for data visualization](http://bigdata-madesimple.com/70-amazing-and-free-data-sources-for-data-visualization/?lipi=urn%3Ali%3Apage%3Ad_flagship3_feed%3BAJsccljrTlK%2BpMAMcPD6Yw%3D%3D)
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* [Tráfico en el Reino Unido](https://www.dft.gov.uk/traffic-counts/)
* [European Banking Authority (EBA)](http://www.eba.europa.eu/risk-analysis-and-data;jsessionid=9D39E5DC46932D2C76C572A1D1B1B5BA)
* [World Bank Open Data](https://data.worldbank.org/)
* [Fondo Monetario Internacional](http://www.imf.org/en/data)
* [Lista de algunos datatsets dentro de paquetes de R](https://vincentarelbundock.github.io/Rdatasets/datasets.html)
* [10.000 airports, train stations and ferry terminals spanning the globe](https://openflights.org/data.html)
* [30 Amazing (And Free) Big Data And AI Public Data Sources For 2018](https://www.linkedin.com/pulse/30-amazing-free-big-data-ai-public-sources-2018-bernard-marr/?trackingId=nkTXcNLieYPDBqZuB3KIsw%3D%3D&lipi=urn%3Ali%3Apage%3Ad_flagship3_feed%3B9KuSD9KfQ6ie%2BALso3gwvw%3D%3D&licu=urn%3Ali%3Acontrol%3Ad_flagship3_feed-object)
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* [Awesome Public Datasets 2](https://github.com/awesomedata/awesome-public-datasets)
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* [NOAA Daily Global Historical Climatology Network - Kaggle dataset](https://www.kaggle.com/noaa/ghcn-d)
* [Crimen en UK](https://data.police.uk/)
* [Datos abiertos Ayuntamiento de Valencia](http://gobiernoabierto.valencia.es/es/data/)
* [Microsoft Research Open Data](https://msropendata.com/)
* [Kaggle Weekly Kernels Award Winner Announcements](https://www.kaggle.com/general/37924#post354114)
* [Open Data Renfe](http://data.renfe.com/)
* [Open Data Barometer](https://opendatabarometer.org/?_year=2017&indicator=ODB)
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* [Fivethirtyeight](https://data.fivethirtyeight.com/)
* [Reddit datasets](https://www.reddit.com/r/datasets/)
* [Data World](https://data.world/)
* [The world’s economic database](https://db.nomics.world/)
* [25 Open Datasets for Deep Learning Every Data Scientist Must Work With](https://www.analyticsvidhya.com/blog/2018/03/comprehensive-collection-deep-learning-datasets/?utm_source=linkedin.com&utm_medium=social)
* [Paquete pasra acceder al API del Instituto de Canario de Estadística](https://github.com/rOpenSpain/istacbaser)
* [Datos estadísticos DGT](https://sedeapl.dgt.gob.es/WEB_IEST_CONSULTA/)
* [Yelp Dataset](https://www.yelp.com/dataset)
* [Awesome Sentinel. Copernicus Sentinel Satellites resources](https://github.com/Fernerkundung/awesome-sentinel)
* [Datos Abiertos del Consorcio Regional de Transportes de Madrid](https://datos.crtm.es/)
* [Idealista labs](https://www.idealista.com/labs/)
* [Ayuntamiento de Madrid. Censo de locales, sus actividades y terrazas de hostelería y restauración](https://datos.gob.es/es/catalogo/l01280796-censo-de-locales-sus-actividades-y-terrazas-de-hosteleria-y-restauracion)
* [Agencia Tributaria. Estadísticas](https://www.agenciatributaria.es/AEAT.internet/Inicio/La_Agencia_Tributaria/Memorias_y_estadisticas_tributarias/Estadisticas/Estadisticas.shtml)
* [UK Office for National Statistics](https://www.ons.gov.uk/)
* [UK Open Geography Portal](https://geoportal.statistics.gov.uk/)
* [Open Trade Statistics](https://tradestatistics.io/)
* Facebook Neural-Code-Search-Evaluation-Dataset [dataset]](<https://github.com/facebookresearch/Neural-Code-Search-Evaluation-Dataset>) y [noticia](https://venturebeat.com/2019/10/03/facebook-open-sources-data-set-for-code-search-ai-benchmark/)
* Github semantic code search [page](https://experiments.github.com/semantic-code-search) y [noticia](https://venturebeat.com/2018/10/17/github-wants-ai-to-help-developers-code/)
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* [NLP Datasets](https://github.com/niderhoff/nlp-datasets/blob/master/README.md)
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* [Socioeconomic Data and Applications Center (sedac)](https://sedac.ciesin.columbia.edu/data/collection/gpw-v4/sets/browse)
* [Cómo los datos abiertos pueden ayudar en la crisis de los refugiados](https://datos.gob.es/es/blog/como-los-datos-abiertos-pueden-ayudar-en-la-crisis-de-los-refugiados?utm_source=newsletter&utm_medium=email&utm_campaign=Datos-en-tiempo-real-open-access-y-mucho-ms-en-datosgobes)
* [Open Spatial Demographic Data](https://www.worldpop.org/)

## Otras referencias interesantes

* [Data Science Blogs](https://github.com/rushter/data-science-blogs)
* [Chuleta general de R](https://cran.r-project.org/doc/contrib/Baggott-refcard-v2.pdf)
* [R Learning Path: From beginner to expert in R in 7 steps](http://www.kdnuggets.com/2016/03/datacamp-r-learning-path-7-steps.html)
* [Tutorial de R Markdown](http://www.sfs.uni-tuebingen.de/~jvanrij/Tutorial/tutorialMarkdown.html)
* [Rstudio cheatsheets](https://www.rstudio.com/resources/cheatsheets/?utm_content=buffer1b56a&utm_medium=social&utm_source=twitter.com&utm_campaign=buffer)
* [R Markdown cheatsheet](https://www.rstudio.com/wp-content/uploads/2015/02/rmarkdown-cheatsheet.pdf)
* [R Markdown referencia](https://www.rstudio.com/wp-content/uploads/2015/03/rmarkdown-reference.pdf)
* [A dive into R Markdown](http://cfss.uchicago.edu/program_rmarkdown.html)
* [Información de Rmarkdown en R Studio](http://rmarkdown.rstudio.com/)
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* [Formatos a medida para R Markdown](http://www.r-bloggers.com/r-markdown-custom-formats/)
* [blogdown: Creating Websites with R Markdown](https://bookdown.org/yihui/blogdown/)
* [Utilizando Sweave y Knitr](https://support.rstudio.com/hc/en-us/articles/200552056-Using-Sweave-and-knitr)
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* [Soporte técnico de RStudio](https://support.rstudio.com/hc/en-us)
* [100 Active Blogs on Analytics, Big Data, Data Mining, Data Science, Machine Learning](http://www.kdnuggets.com/2016/03/100-active-blogs-analytics-big-data-science-machine-learning.html#.VvqjkSV5Tio.linkedin)
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* [Computer vision](https://github.com/kjw0612/awesome-deep-vision)
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* [The State of Naming Conventions in R](https://journal.r-project.org/archive/2012-2/RJournal_2012-2_Baaaath.pdf)
* [R Code – Best practices](https://www.r-bloggers.com/r-code-best-practices/)
* [R Coding Style Guide](https://irudnyts.github.io//r-coding-style-guide/)
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* [Regular Expression Language - Quick Reference](https://docs.microsoft.com/en-us/dotnet/standard/base-types/regular-expression-language-quick-reference)
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* [Usar git](https://try.github.io/levels/1/challenges/1)
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* [Awesome R](https://github.com/qinwf/awesome-R)
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* [useR! Machine Learning Tutorial](https://github.com/ledell/useR-machine-learning-tutorial)
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## Libros

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* [R Programming for Data Science. Roger D. Peng.](https://leanpub.com/rprogramming)
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* [Introducción a R](https://cran.r-project.org/doc/contrib/R-intro-1.1.0-espanol.1.pdf)
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* [10 Free Must-Read Books for Machine Learning and Data Science](https://www.kdnuggets.com/2017/04/10-free-must-read-books-machine-learning-data-science.html?utm_content=bufferc386f&utm_medium=social&utm_source=twitter.com&utm_campaign=buffer)
* Introduction to Data Science [Libro](https://rafalab.github.io/dsbook/) y [Código](https://github.com/rafalab/dsbook)
* Fundamentals of Data Visualization [Libro](http://serialmentor.com/dataviz/?utm_content=buffer7a991&utm_medium=social&utm_source=linkedin.com&utm_campaign=buffer) y [Código](https://github.com/clauswilke/dataviz)
* Data Science Live Book [Libro](https://livebook.datascienceheroes.com/) y [Código](https://github.com/pablo14/data-science-live-book)
* R for Statistical Learning [Libro](https://daviddalpiaz.github.io/r4sl/) y [Código](https://github.com/daviddalpiaz/r4sl)
* Applied Statistics with R [Libro](https://daviddalpiaz.github.io/appliedstats/) y [Código](https://github.com/daviddalpiaz/appliedstats)
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* [Handling Strings with R](http://www.gastonsanchez.com/r4strings/)
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* [Exploratory Data Analysis with R - Roger D. Peng](https://bookdown.org/rdpeng/exdata/)
* [What They Forgot to Teach You About R](https://whattheyforgot.org/)
* Mastering Apache Spark with R [Libro](https://therinspark.com/intro.html) y [Código](https://github.com/r-spark/the-r-in-spark)
* [Hands-On Machine Learning with R](https://bradleyboehmke.github.io/HOML/)
* [Hands-On Programming with R](https://rstudio-education.github.io/hopr/)