Open Data

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Este fichero es copia de uno alojado en Github, en este [link](https://github.com/santiagomota/Open_Data) y que se actualiza periódicamente.

## Fuentes de datos abiertos y APIs

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* [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/)
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* Statistical Learning de Stanford with R [Curso](https://online.stanford.edu/courses/sohs-ystatslearning-statistical-learning-r), [Libro](https://hastie.su.domains/ElemStatLearn/), [Código](https://github.com/khanhnamle1994/statistical-learning) y [Transparencias](https://github.com/khanhnamle1994/statistical-learning/tree/master/Lecture-Slides)
* [An Introduction to Statistical Learning - Web R & Python](https://www.statlearning.com/)
* [100 Free Tutorials for Learning R](https://www.listendata.com/p/r-programming-tutorials.html)
* [Google’s best practices in machine learning](https://developers.google.com/machine-learning/guides/rules-of-ml/)
* [Web Scraping TripAdvisor, Text Mining and Sentiment Analysis for Hotel Reviews](https://towardsdatascience.com/scraping-tripadvisor-text-mining-and-sentiment-analysis-for-hotel-reviews-cc4e20aef333)
* [Common Probability Distributions: The Data Scientist’s Crib Sheet](https://blog.cloudera.com/blog/2015/12/common-probability-distributions-the-data-scientists-crib-sheet/?utm_content=buffer49e9f&utm_medium=social&utm_source=facebook.com&utm_campaign=buffer)
* [RDocumentation](https://www.rdocumentation.org/)
* [ArcGIS to R spatial cheat sheet](http://www.seascapemodels.org/data/ArcGIS_to_R_Spatial_CheatSheet.pdf)
* [Hand-curated, high quality resources for doing data journalism with R](https://rddj.info/)
* [RMarkdown Driven Development (RmdDD)](https://emilyriederer.netlify.app/post/rmarkdown-driven-development/)
* [htmlwidgets for R - gallery](http://gallery.htmlwidgets.org/)
* [Free R Reading Material](https://committedtotape.shinyapps.io/freeR/)
* [The Chartmaker Directory](chartmaker.visualisingdata.com)
* [Kaggle Winning Solutions](http://kagglesolutions.com/)
* [Simplifying the ROC and AUC metrics](https://towardsdatascience.com/understanding-the-roc-and-auc-curves-a05b68550b69)
* [Feature Engineering for Machine Learning](https://trainindata.medium.com/feature-engineering-for-machine-learning-a-comprehensive-overview-a7ad04c896f8)
* [Awesome Data Science](https://github.com/academic/awesome-datascience)
* [Data Scientist Roadmap](https://github.com/MrMimic/data-scientist-roadmap)
* [Data Science Collected Resources](https://github.com/tirthajyoti/Data-science-best-resources)
* [Data Science Cheatsheets](https://github.com/FavioVazquez/ds-cheatsheets)
* [Data Science Resources](https://github.com/jonathan-bower/DataScienceResources)
* [R for Water Resources Data Science](https://www.r4wrds.com/)
* [GIS and mapping](https://nowosad.github.io/SIGR2021/workshop1/workshop1_jn.html#1)
* [R package primer](https://kbroman.org/pkg_primer/)
* [Using Geospatial Data in R](https://www.mzes.uni-mannheim.de/socialsciencedatalab/article/geospatial-data/)
* [Cómo crear una API en Python](https://anderfernandez.com/blog/como-crear-api-en-python/)
* [Cursos para aprender más sobre R](https://datos.gob.es/es/noticia/cursos-para-aprender-mas-sobre-r)
* [Estadística con R](https://www.cienciadedatos.net/estadistica-con-r.html)
* [Practical Introduction to Web Scraping in R](https://blog.rsquaredacademy.com/web-scraping/)
* [R for Water Resources Data Science](https://www.r4wrds.com/)
* [A ggplot2 Tutorial for Beautiful Plotting in R](https://cedricscherer.netlify.app/2019/08/05/a-ggplot2-tutorial-for-beautiful-plotting-in-r/)
* [Bivariate Choropleth Maps: A How-to Guide](https://www.joshuastevens.net/cartography/make-a-bivariate-choropleth-map/)
* [Tipos de licencias open data (minicurso de data.europa.edu)](https://data.europa.eu/en/academy/open-data-licensing)
* Legalidad Web sraping: [Is Web Scraping Legal? : The Definitive Guide (2024 update)](https://prowebscraper.com/blog/is-web-scraping-legal/) y [Web Scraping: ¿legal o ilegal?](https://ecija.com/web-scraping-legal-ilegal/)
* [Information is Beautiful Awards](https://www.informationisbeautifulawards.com/)
* [Financial-Times / chart-doctor](https://github.com/Financial-Times/chart-doctor/tree/main/visual-vocabulary)
* [The Data Visualisation Catalogue](https://datavizcatalogue.com/)
* [From Data to Viz](https://www.data-to-viz.com/)
* [EUMETSAT science studies](https://www.eumetsat.int/science-studies)
* [overpass turbo - Herremaienta de filtrado para OSM](https://overpass-turbo.eu/)
* [Remote Sensing for OSINT](https://bellingcat.github.io/RS4OSINT/)
* [Investigative Journalism with Satellite Images](https://bourgoing.com/en/linvestigation-par-satellite/)
* [CAMIS - A PHUSE DVOST Working Group](https://psiaims.github.io/CAMIS/). The repository below provides examples of statistical methodology in different software and languages, along with a comparison of the results obtained and description of any discrepancies.
* [Microsoft Presidio - Data Protection and De-identification SDK](https://microsoft.github.io/presidio/)
* [GIS formats](https://atlas.co/formats/)
* [Data Viz Catalogue](https://graphica.app/catalogue)
* [Dataviz Project](https://datavizproject.com/)
* [Periodic Table Of Visualization Methods](https://www.visual-literacy.org/periodic_table/periodic_table.html)
* [The TimeViz Browser 2.0](https://browser.timeviz.net/)
* [The R Graph Gallery](https://r-graph-gallery.com/)
* [HOT - Drone Tasking Manager](https://github.com/hotosm/Drone-TM)
* [Remote sensing image retrieval](https://github.com/IBM/remote-sensing-image-retrieval)
* [BigEarthNet A Large-Scale Sentinel Benchmark Archive](https://bigearth.net/)
* Global Fishing Watch. AI and satellite imagery to reveal the expanding footprint of human activity at sea. [Post](https://globalfishingwatch.org/press-release/new-research-harnesses-ai-and-satellite-imagery-to-reveal-the-expanding-footprint-of-human-activity-at-sea/?utm_source=GFW+subscribers&utm_campaign=9363c93195-EMAIL_CAMPAIGN_JAN_2024_CURRENT_ENGLISH&utm_medium=email&utm_term=0_-9363c93195-%5BLIST_EMAIL_ID%5D). [Github](https://github.com/GlobalFishingWatch/paper-industrial-activity/tree/main). [Train data](https://figshare.com/articles/journal_contribution/Satellite_mapping_reveals_extensive_industrial_activity_at_sea_-_training_data/24309469). [Analysis data](https://figshare.com/articles/journal_contribution/Satellite_mapping_reveals_extensive_industrial_activity_at_sea_-_analysis_data/24309475) and [Vessel detection from Sentinel-1 SAR](https://globalfishingwatch.org/data-download/datasets/public-sar-vessel-detections:v20231026)
* [rseek.org - rstats search engine](https://rseek.org/)
* [Information is beautiful](https://informationisbeautiful.net/)

## Libros

* [R Markdown Cookbook](https://bookdown.org/yihui/rmarkdown-cookbook/)
* [R Markdown: The Definitive Guide](https://bookdown.org/yihui/rmarkdown/)
* [Todos los libros en bookdown](https://bookdown.org/home/archive/)
* [R intro](https://cran.r-project.org/doc/manuals/R-intro.pdf)
* [R for everyone](https://www.jaredlander.com/r-for-everyone/)
* [R in action](https://www.manning.com/books/r-in-action-second-edition)
* [R Programming for Data Science. Roger D. Peng.](https://leanpub.com/rprogramming)
* [R para principiantes](https://cran.r-project.org/doc/contrib/rdebuts_es.pdf)
* [Introducción a R](https://cran.r-project.org/doc/contrib/R-intro-1.1.0-espanol.1.pdf)
* [R para profesionales de los datos: una introducción](https://www.datanalytics.com/libro_r/)
* [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](https://clauswilke.com/dataviz/) 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)
* Geocomputation with R [Libro](https://geocompr.robinlovelace.net/) y [Código](https://github.com/Robinlovelace/geocompr/)
* [Handling Strings with R](http://www.gastonsanchez.com/r4strings/)
* [Text Mining with R](https://www.tidytextmining.com/)
* [Efficient R programming](https://csgillespie.github.io/efficientR/)
* [BBC Visual and Data Journalism cookbook for R graphics](https://bbc.github.io/rcookbook/)
* [Databases using R by RStudio](https://db.rstudio.com/getting-started/)
* [Interpretable Machine Learning](https://christophm.github.io/interpretable-ml-book/)
* [Forecasting: Principles and Practice](https://otexts.com/fpp3/)
* [Bioinformática Estadística. Análisis estadístico de datos Ómicos](https://www.uv.es/ayala/docencia/tami/tami13.pdf)
* [Estadística básica](https://www.uv.es/ayala/docencia/nmr/nmr13.pdf)
* [Probabilidad básica](https://www.uv.es/ayala/docencia/probabilidad/prob.pdf)
* [Estadística básica](https://www.uv.es/ayala/docencia/nmr/nmr13.pdf)
* [An Introduction to Spatial Data Analysis and Visualisation in R](https://www.spatialanalysisonline.com/An%20Introduction%20to%20Spatial%20Data%20Analysis%20in%20R.pdf)
* [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/)
* [The 20 Best Data Science Books Available online in 2020](https://www.ubuntupit.com/best-data-science-books-available-online/)
* [Creating APIs in R with Plumber](https://www.rplumber.io/docs/index.html)
* [Geospatial Health Data: Modeling and Visualization with R-INLA and Shiny](http://www.paulamoraga.com/book-geospatial/)
* [Advanced Spatial Modeling with Stochastic Partial Differential Equations Using R and INLA](https://becarioprecario.bitbucket.io/spde-gitbook/)
* [Estilometría, análisis de textos en R para filólogos](http://www.aic.uva.es/cuentapalabras/presentacion.html)
* [Engineering Production-Grade Shiny Apps](https://engineering-shiny.org/)
* [Bayesian inference with INLA](https://becarioprecario.bitbucket.io/inla-gitbook/index.html)
* [Happy Git and GitHub for the useR](https://happygitwithr.com/)
* R for Data Science. [Inglés](https://r4ds.hadley.nz/) y [Castellano](https://es.r4ds.hadley.nz/)
* [Data Visualization with R](https://rkabacoff.github.io/datavis/)
* [Big Book of R](https://www.bigbookofr.com/index.html)
* [JavaScript for R](https://book.javascript-for-r.com/)
* [Hands-On Data Visualization](https://handsondataviz.org/)
* [Fundamentals of Data Visualization](https://github.com/clauswilke/dataviz)
* [Supervised Machine Learning for Text Analysis in R](https://smltar.com/)
* [Modern R with the tidyverse](https://b-rodrigues.github.io/modern_R/)
* [Spatial Microsimulation with R](https://spatial-microsim-book.robinlovelace.net/index.html)
* [R Advanced Spatial Lessons](https://bbest.github.io/R-adv-spatial-lessons/)
* [R Packages](https://r-pkgs.org/)
* [R Graphics Cookbook](https://r-graphics.org/index.html)
* [Advanced R](https://adv-r.hadley.nz/index.html)
* [rstudio4edu](https://rstudio4edu.github.io/rstudio4edu-book/)
* [R for Health Data Science](https://argoshare.is.ed.ac.uk/healthyr_book/)
* [Linear Algebra for Data Science](https://shainarace.github.io/LinearAlgebra/index.html)
* [Aprendizaje Estadístico con R](https://rubenfcasal.github.io/aprendizaje_estadistico/index.html)
* [Simulación Estadística con R](https://rubenfcasal.github.io/simbook/)
* [R para profesionales de los datos: una introducción](https://datanalytics.com/libro_r/)
* [Aprendiendo R sin morir en el intento](https://aprendiendo-r-intro.netlify.app/)
* [Interpretable Machine Learning](https://christophm.github.io/interpretable-ml-book/)
* [The caret Package](http://topepo.github.io/caret/index.html)
* [Elegant and informative maps with tmap](https://r-tmap.github.io/tmap-book/)
* [Spatial Modelling for Data Scientists](https://gdsl-ul.github.io/san/)
* [Command Line Basics for R Users](https://bash-intro.rsquaredacademy.com/)
* [Engineering Production-Grade Shiny Apps](https://engineering-shiny.org/)
* [Outstanding User Interfaces with Shiny](https://unleash-shiny.rinterface.com/)
* [The Shiny AWS Book](https://business-science.github.io/shiny-production-with-aws-book/)
* [Twitter for Scientists](https://t4scientists.com/)
* [Spatial Data Science](https://keen-swartz-3146c4.netlify.app/)
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* [Officeverse R & Office](https://ardata-fr.github.io/officeverse/index.html)
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* [R Programming for Data Science](https://www.cs.upc.edu/~robert/teaching/estadistica/rprogramming.pdf)
* [The R Book](https://www.cs.upc.edu/~robert/teaching/estadistica/TheRBook.pdf)
* [R Notes for Professionals](https://books.goalkicker.com/RBook/)
* [An Introduction to Spatial Data Analysis and Visualisation in R](https://www.spatialanalysisonline.com/An%20Introduction%20to%20Spatial%20Data%20Analysis%20in%20R.pdf)
* [Think Bayes 2e](https://github.com/AllenDowney/ThinkBayes2)
* [Quantitative Politics with R](http://qpolr.com/)
* [Data Science in Education Using R](https://datascienceineducation.com/)
* [Data Skills for Reproducible Science](https://psyteachr.github.io/msc-data-skills/)
* [Handbook of Regression Modeling in People Analytics](https://peopleanalytics-regression-book.org/)
* [Handbook of Graphs and Networks in People Analytics With Examples in R and Python](https://ona-book.org/)
* [Tidy Finance with R](https://tidy-finance.org/)
* [Predictive Soil Mapping with R](https://soilmapper.org/)
* [Deep Learning](https://srdas.github.io/DLBook/)
* [Technical Foundations of Informatics](https://info201.github.io/)
* [YaRrr! The Pirate’s Guide to R](https://bookdown.org/ndphillips/YaRrr/)
* [An R companion to Statistics: data analysis and modelling](https://mspeekenbrink.github.io/sdam-r-companion/index.html)
* [Learning Statistics with R](https://learningstatisticswithr.com/)
* [Happy Git and GitHub for the useR](https://happygitwithr.com/index.html)
* [Introduction to Econometrics with R](https://www.econometrics-with-r.org/)
* [R4JournalismBook](https://smach.github.io/R4JournalismBook/)
* [Libro Vivo de Ciencia de Datos](https://librovivodecienciadedatos.ai/)
* [Introduction to Probability for Data Science](https://probability4datascience.com/index.html)
* [Spatial Data Science with applications in R](https://r-spatial.org/book/)
* [R for Data Analysis](https://trevorfrench.github.io/R-for-Data-Analysis/)
* [Data Analysis and Prediction Algorithms with R](http://rafalab.dfci.harvard.edu/dsbook/)
* [Análisis de datos y algoritmos de predicción con R](http://rafalab.dfci.harvard.edu/dslibro/)
* [The Art of Data Science](https://bookdown.org/rdpeng/artofdatascience/)
* [R for data science: tidyverse and beyond](https://bookdown.org/Maxine/r4ds/)
* [Statistical Inference via Data Science](https://moderndive.com/index.html)
* [Introduction to urban accessibility: a practical guide in R](https://github.com/ipeaGIT/intro_access_book)
* [Tidy Finance](https://www.tidy-finance.org/)
* [Deep Learning and Scientific Computing with R torch](https://skeydan.github.io/Deep-Learning-and-Scientific-Computing-with-R-torch/)
* [Econometrics with the Tidyverse](https://colleen.quarto.pub/the-tidy-econometrics-workbook/)
* [Building reproducible analytical pipelines with R](https://raps-with-r.dev/)
* [Satellite Image Time Series Analysis on Earth Observation Data Cubes](https://e-sensing.github.io/sitsbook/)
* [Spatial Statistics for Data Science: Theory and Practice with R](https://www.paulamoraga.com/book-spatial/index.html)
* [Geographic Data Science with R: Visualizing and Analyzing Environmental Change](https://bookdown.org/mcwimberly/gdswr-book/)
* [Apache Arrow R Cookbook](https://arrow.apache.org/cookbook/r/)
* [An Introduction to R and Python For Data Analysis: A Side By Side Approach](https://randpythonbook.netlify.app/)
* [Using the flextable R package](https://ardata-fr.github.io/flextable-book/index.html)
* [Spatial sampling with R](https://dickbrus.github.io/SpatialSamplingwithR/)
* [Interactive web-based data visualization with R, plotly, and shiny](https://plotly-r.com/)
* [Modern Data Science with R](https://mdsr-book.github.io/mdsr3e/)
* [Quarto for Scientists](https://qmd4sci.njtierney.com/)
* [Introduction to Environmental Data Science](https://bookdown.org/igisc/EnvDataSci/)
* [Manual de R](https://fhernanb.github.io/Manual-de-R/)
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* [Crime by the Numbers: A Criminologist’s Guide to R](https://crimebythenumbers.com/)
* [R Tutorial: Mastering Data Analysis and More](https://pyoflife.com/r-programming-made-easy/)
* [Data transformation with R](https://pyoflife.com/data-transformation-with-r-pdf/)
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* [Beyond Multiple Linear Regression](https://bookdown.org/roback/bookdown-BeyondMLR/)
* [Analyzing US Census Data: Methods, Maps, and Models in R](https://walker-data.com/census-r/index.html)
* [Psychometrics in Exercises using R and RStudio](https://bookdown.org/annabrown/psychometricsR/)
* [Introduction to NFL Analytics with R](https://bradcongelio.com/nfl-analytics-with-r-book/)
* [Feature Engineering and Selection: A Practical Approach for Predictive Models](https://bookdown.org/max/FES/)
* [Applied Machine Learning Using mlr3 in R](https://mlr3book.mlr-org.com/)
* [Behavior Analysis with Machine Learning Using R](https://enriquegit.github.io/behavior-free/index.html)
* [Data Analytics: A Small Data Approach](https://dataanalyticsbook.info/)
* [R for Social Network Analysis](https://schochastics.github.io/R4SNA/)
* [Cookbook Polars for R](https://ddotta.github.io/cookbook-rpolars/)
* [DIY API with Make and {plumber}](https://www.andrewheiss.com/blog/2024/01/12/diy-api-plumber-quarto-ojs/_book/)
* [ggplot2: Elegant Graphics for Data Analysis (3e)](https://ggplot2-book.org/)
* [R for the Rest of Us: A Statistics-Free Introduction](https://book.rfortherestofus.com/)
* [Un Recorrido por los Métodos Cuantitativos en Ciencias Sociales a bordo de R](https://estadisticacienciassocialesr.rbind.io/)
* [What They Forgot to Teach You About R](https://rstats.wtf/)
* [Tidyverse Skills for Data Science](https://jhudatascience.org/tidyversecourse/)
* [A Business Analyst’s Introduction to Business Analytics](https://www.causact.com/#welcome)
* [Telling Stories with Data](https://tellingstorieswithdata.com/)
* [The tidyverse style guide](https://style.tidyverse.org/)
* [Empirical Research in Accounting: Tools and Methods](https://iangow.github.io/far_book/)
* [Data Visualization with R](https://datavizs23.classes.andrewheiss.com/example/)
* [Introduction to MySQL with R](https://programminghistorian.org/en/lessons/getting-started-with-mysql-using-r)
* [Physical Oceanography Distributed Active Archive Center totorials](https://podaac.github.io/tutorials/)
* [The SAR Handbook](https://gis1.servirglobal.net/TrainingMaterials/SAR/SARHB_FullRes.pdf)
* [Advanced International Trade in R](https://pacha.dev/advanced-international-trade-in-r/)
* [The Orange Book of Machine Learning](https://github.com/Carl-McBride-Ellis/TOBoML)
* [Data Management in Large-Scale Education Research](https://datamgmtinedresearch.com/)
* [R for Non-Programmers: A Guide for Social Scientists](https://bookdown.org/daniel_dauber_io/r4np_book/)