# Open Data

## by Santiago Mota

#### 2024-10-09

Este fichero es copia de uno alojado en Github, en este link y que se actualiza periódicamente.

## Fuentes de datos abiertos y APIs

- CRAN Task View OpenData
- Datos en paquetes de R
- Kaggle datasets
- UCI Machine Learning Repository
- DH Network
- Helsinki Open Data
- Datasets de Quandl
- Amazon AWS: este y este
- Gobierno Estados Unidos
- Datos abiertos de la Unión Europea
- Canada Open Government Portal
- UK Open Data
- API de GitHub
- API de Facebook
- Blog. 100 recursos sobre Big Data y Data Science
- NASDAQ
- Google finanzas
- CaixaBank Research
- Satélite Landsat
- OCDE
- Open data EMT
- Datos abiertos del gobierno de España
- Datos abiertos del Ayuntamiento de Madrid
- Datos abiertos de la Generalitat de Cataluña
- Datos abiertos Junta de Andalucía
- Datos abiertos de Santander
- Natural Earth
- Fuentes de datos espaciales (Diva-GIS)
- Opendata del CERN
- Paquete de R'datasets'
- 46 museos y bibliotecas que han digitalizado todo su conocimiento y lo ofrecen gratis en internet
- Infraestructura de Datos Espaciales de España
- Infraestructura de Datos Espaciales de la Comunidad de Madrid
- Microsoft Cognitive Services
- Google Cloud Vision API
- Análisis de 1.100 millones de trayectos de taxis y uber en NYC
- European Data Portal
- Propublica
- NOAA. Agencia de meteo. USA.

- Datosclima. Base de datos meteo
- Dirección General de Tráfico (DGT)
- National Historical Geographic Information System (NHGIS)
- Datos de todos los vuelos en USA entre 1987 y 2008 (datos originales)
- Datos de todos los vuelos en USA entre 1987 y 2008 (otra fuente y ejemplos de uso en H2O). 120G
- Open Data Inception. 1.600 portales abiertos
- ImageNet database
- API TomTom. Tráfico en ciudades
- Mapas de Open Street Maps
- European Data Portal
- 20 Awesome Websites For Collecting Big Data
- Climate Data Online
- Una recopilación de APIs públicas
- Una recopilación de datasets públicos
- Recopilación de datasets de BigML
- Datasets de ejemplo de IBM Watson Analytics
- Some datasets for teaching data science
- More datasets for teaching data science: The expanded dslabs package
- El planeta Tierra en AWS
- Tráfico en el Reino Unido
- European Banking Authority (EBA)
- World Bank Open Data 1 y 2
- Fondo Monetario Internacional
- Lista de algunos datatsets dentro de paquetes de R
- openflights.org/
- 30 Amazing (And Free) Big Data And AI Public Data Sources For 2018
- Awesome Public Datasets 1
- Awesome Public Datasets 2
- 25 Open Datasets for Deep Learning Every Data Scientist Must Work With
- NOAA Daily Global Historical Climatology Network Kaggle dataset
- Crimen en UK
- Datos abiertos Ayuntamiento de Valencia
- Microsoft Research Open Data
- Kaggle Weekly Kernels Award Winner Announcements
- Open Data Renfe
- Open Data Barometer
- CIS. Centro de Investigaciones Sociológicas
- Fivethirtyeight
- Reddit datasets
- Data World
- The world's economic database
- 25 Open Datasets for Deep Learning Every Data Scientist Must Work With
- Paquete pasra acceder al API del Instituto de Canario de Estadística
- Datos estadísticos DGT
- Yelp Dataset
- Awesome Sentinel. Copernicus Sentinel Satellites resources
- Datos Abiertos del Consorcio Regional de Transportes de Madrid
- Idealista ux&tech
- Ayuntamiento de Madrid. Censo de locales, sus actividades y terrazas de hostelería y restauración
- Agencia Tributaria. Estadísticas
- UK Office for National Statistics
- UK Open Geography Portal
- Open Trade Statistics
- Facebook Neural-Code-Search-Evaluation-Dataset [dataset]](https://github.com/facebookresearch/

- Neural-Code-Search-Evaluation-Dataset) y noticia
- Ultimos datos de Open Street Map. Spain
- NLP Datasets
- United Nations World Urbanization Prospects
- GHSL Global Human Settlement Layer
- Socioeconomic Data and Applications Center (SEDAC)
- Cómo los datos abiertos pueden ayudar en la crisis de los refugiados
- Worldpop Open Spatial Demographic Data y Worldpop Hub
- Center for Disease Control
- NASA
- World Economic Forum
- Universidad de Harvard
- MIT 1 y 2
- Pew Research Center
- Gapminder
- Reddit datasets
- Center for Applied Internet Data Analysis
- Google Books Ngram Viewe
- Free GIS Data
- Google Public Data
- Google Datset Search
- Open Data Sources Database
- Síntesis de Indicadores e Informes Macroeconómicos
- Tematicas.org Recopilación de series e índices
- Amazon product data 2014
- Amazon product data 2018
- The Big Bad NLP Database
- openaddresses
- Awesome Geospatial
- Satellite imagery datasets containing ships
- AI for Copernicus a data repository by CALLISTO
- ESA WorldCover 2021. Global land cover product at 10 m for 2021 based on Sentinel-1 and 2 data
- Data Derived from OpenStreetMap for Download
- 25 Satellite Maps To See Earth in New Ways
- Armed Conflict Location & Event Data Project (ACLED)
- Sentinel Hub NoR Sponsored Accounts and Data Collections
- rspatialdata is a collection of data sources and tutorials on visualising spatial data using R
- awesome-gee-community-datasets
- gee-community-catalog
- The World Bank Open Knowledge Repository
- The Government Finance Database
- Microsoft A Planetary Computer for a Sustainable Future
- HREA: High Resolution Electricity Access. Universidad de Michigan y Microsoft
- geoBoundaries
- FAO Map Catalog
- IPUMS GIS Boundary Files
- geodata.state.gov
- Natural Earth Vector. Github y Web
- Geoportal Registradores
- ESA OpenSR Robust, accountable super-resolution for Sentinel-2 and beyond
- SEN2NAIP Remote sensing dataset designed to support conventional and reference-based SR model training
- M3LEO: A Multi-Modal Multi-Label Earth Observation Dataset
- SARDet-100K: large-scale multi-class SAR object detection dataset

- Sen2Like
- Google Patents Public Data
- Digital Earth Africa (DE Africa) Map
- idealista18 2018 real estate listings in Spain. 3 cities
- British Ordnance Survey Data Hub
- Freshwater Ecoregions of the World
- FAO's Global Information System on Water and Agriculture
- Data on CO2 and Greenhouse Gas Emissions by Our World in Data
- Open Africa dataset
- OSM Landuse
- One versus One European football statistics
- StatsBomb sports data
- Data Kicks
- FBREF Estadísticas e Historia del Fútbol
- Understat
- Geospatial Data Catalogs
- AWS Open Data
- AWS Open Data Geo
- AWS Open Data SpatioTemporal Asset Catalog (STAC)
- Google Earth Engine Catalog
- NASA Common Metadata Repository (CMR) SpatioTemporal Asset Catalog (STAC)
- STAC Index SpatioTemporal Asset Catalog (STAC)
- Maxar Open Data: Aquí y aquí
- OpenGEOS data
- Hugging Face Datasets
- UC Irvine Machine Learning Repository
- Mendeley Data
- Nature Scientific Data
- AWS Datasets
- Data.World Datasets
- USGS 3DEP LiDAR Point Clouds
- Datos de la Eurocopa 2024
- Open Charge Map. Global Open Data registry of electric vehicle charging locations. Export y Ejemplo
- NAIP: National Agriculture Imagery Program
- Planet SkySat Public Ortho Imagery, Multispectral
- Functional Map of the World (fMoW) Dataset
- UC Merced Land Use Dataset
- The SpaceNet Datasets
- AID: A Benchmark Dataset for Performance Evaluation of Aerial Scene Classification
- Open High-Resolution Satellite Imagery: The WorldStrat Dataset With Application to Super-Resolution
- WHU-RS19 is a set of satellite images exported from Google Earth
- SkySat missions
- EarthView dataset
- ESA Third Party Missions (TPM)
- SkyFi Geospatial Hub
- Natural Earth Data
- USGS Earth Explorer
- Esri Open Data Hub
- UNEP Environmental Data Explorer
- NASA Earth Observations (NEO)
- Sentinel Satellite Data
- Open Topography
- Terra Populus

- ISCGM Global Map
- IPUMS provides census and survey data from around the world Web y paquete ipumsr
- EDGAR Emissions Database for Global Atmospheric Research
- Copernicus Atmosphere Monitoring Service (CAMS) Global Near-Real-Time
- Sentinel-5P
- ERA5 Daily Aggregates Latest Climate Reanalysis Produced by ECMWF / Copernicus Climate Change Service
- Global Flood Database v1 (2000-2018)
- ISIMIP3b bias-adjusted atmospheric climate input data
- Dynamic World V1 Land Use
- España. Estadísticas de mercado de trabajo
- España. Seguridad Social. Estadísticas
- España. Inmigración. Estadísticas
- Alaska Satellite Facility
- Naciones Unidas. Datos detallados de comercio global
- Geonames Cities with population > 5000
- Opendatasoft
- Legacy Aircraft Noise and Performance (ANP) data
- RapidAI4EO: A Corpus of Dense Time Series Satellite Imagery
- Overture Fused-partitioned
- Google-Microsoft-OSM Open Buildings combined by VIDA
- Multi-Temporal Crop Classification with HLS Imagery across CONUS
- Fields of The World (FTW)
- Source Cooperative Featured Repositories
- AENA Estadísticas de tráfico aéreo
- Red Eléctrica Española (REE) API
- LinkedIn Data for Impact
- AWS Data Exchange

### Otras referencias interesantes

- Data Science Blogs
- Chuleta general de R
- R Learning Path: From beginner to expert in R in 7 steps
- Rstudio cheatsheets
- R Markdown cheatsheet
- R Markdown referencia
- A dive into R Markdown
- Información de Rmarkdown en R Studio
- Template para documentos científicos con Rmarkdown
- Formatos a medida para R Markdown
- blogdown: Creating Websites with R Markdown
- Utilizando Sweave y Knitr
- Pandoc User's Guide
- Soporte técnico de RStudio
- 100 Active Blogs on Analytics, Big Data, Data Mining, Data Science, Machine Learning
- Plataforma H2O
- Computer vision
- Pautas para dar formato al código programando en R: Google, Hadley Wickham (RStudio) y Coding Club
- The State of Naming Conventions in R
- R Code Best practices
- R Coding Style Guide
- Naming files

- Documentacion de R
- Chuleta de expresiones regulares
- Regular Expressions Every R programmer Should Know
- Regular Expression Language Quick Reference
- Dealing with Regular Expressions
- Writing an R package from scratch
- 16 Cursos
- Galerias de graficos
- Curso Caltech. Learning from data
- Usar git
- Blogs con github y Blogs con github y RStudio
- Ejemplos de Shiny
- UK government using R to modernize reporting of official statistics
- Ggplot
- Sistemas de Coordenadas. Aqui y aqui
- Codificación de caracteres
- Tutorials for learning R
- Awesome R
- R Data Science Tutorials
- useR! Machine Learning Tutorial
- Computerworld Paquetes de R interesantes
- Otra lista de recursos variados en Github
- Tipos de licencias de software
- Glosario de Machine Learning de Google
- Google Rules of Machine Learning: Best Practices for ML Engineering
- Statistical Learning de Stanford with R Curso, Libro, Código y Transparencias
- An Introduction to Statistical Learning Web R & Python
- 100 Free Tutorials for Learning R
- Google's best practices in machine learning
- Web Scraping TripAdvisor, Text Mining and Sentiment Analysis for Hotel Reviews
- Common Probability Distributions: The Data Scientist's Crib Sheet
- RDocumentation
- ArcGIS to R spatial cheat sheet
- RMarkdown Driven Development (RmdDD)
- htmlwidgets for R gallery
- Free R Reading Material
- The Chartmaker Directory
- Kaggle Winning Solutions
- Simplifying the ROC and AUC metrics
- Feature Engineering for Machine Learning
- Awesome Data Science
- Data Scientist Roadmap
- Data Science Collected Resources
- Data Science Cheatsheets
- Data Science Resources
- R for Water Resources Data Science
- GIS and mapping
- R package primer
- Using Geospatial Data in R
- Cómo crear una API en Python
- Cursos para aprender más sobre R
- Estadística con R
- Practical Introduction to Web Scraping in R
- R for Water Resources Data Science

- A ggplot2 Tutorial for Beautiful Plotting in R
- Bivariate Choropleth Maps: A How-to Guide
- Tipos de licencias open data (minicurso de data.europa.edu)
- Legalidad Web sraping: Is Web Scraping Legal? : The Definitive Guide (2024 update) y Web Scraping: ¿legal o ilegal?
- Information is Beautiful Awards
- Financial-Times / chart-doctor
- The Data Visualisation Catalogue
- From Data to Viz
- EUMETSAT science studies
- overpass turbo Herremaienta de filtrado para OSM
- Remote Sensing for OSINT
- Investigative Journalism with Satellite Images
- CAMIS A PHUSE DVOST Working Group. 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
- GIS formats
- Data Viz Catalogue
- Dataviz Project
- Periodic Table Of Visualization Methods
- The TimeViz Browser 2.0
- The R Graph Gallery
- HOT Drone Tasking Manager
- Remote sensing image retrieval
- BigEarthNet A Large-Scale Sentinel Benchmark Archive
- Global Fishing Watch. AI and satellite imagery to reveal the expanding footprint of human activity at sea. Post. Github. Train data. Analysis data and Vessel detection from Sentinel-1 SAR
- rseek.org rstats search engine
- Information is beautiful
- HDRIs Images
- Study finds 94% of business spreadsheets have critical errors

#### Libros

- R Markdown Cookbook
- R Markdown: The Definitive Guide
- Todos los libros en bookdown
- R intro
- R for everyone
- R in action
- R Programming for Data Science. Roger D. Peng.
- R para principiantes
- Introducción a R
- R para profesionales de los datos: una introducción
- 10 Free Must-Read Books for Machine Learning and Data Science
- Introduction to Data Science Libro y Código
- Fundamentals of Data Visualization Libro y Código
- Data Science Live Book Libro y Código
- R for Statistical Learning Libro v Código
- Applied Statistics with R Libro y Código
- Geocomputation with R Libro v Código
- Handling Strings with R
- Text Mining with R

- Efficient R programming
- BBC Visual and Data Journalism cookbook for R graphics
- Databases using R by RStudio
- Interpretable Machine Learning
- Forecasting: Principles and Practice
- Bioinformática Estadística. Análisis estadístico de datos Ómicos
- Estadística básica
- Probabilidad básica
- Estadística básica
- An Introduction to Spatial Data Analysis and Visualisation in R
- Exploratory Data Analysis with R Roger D. Peng
- What They Forgot to Teach You About R
- Mastering Apache Spark with R Libro y Código
- Hands-On Machine Learning with R
- Hands-On Programming with R
- The 20 Best Data Science Books Available online in 2020
- Creating APIs in R with Plumber
- Geospatial Health Data: Modeling and Visualization with R-INLA and Shiny
- Advanced Spatial Modeling with Stochastic Partial Differential Equations Using R and INLA
- Estilometría, análisis de textos en R para filólogos
- Engineering Production-Grade Shiny Apps
- Bayesian inference with INLA
- Happy Git and GitHub for the useR
- R for Data Science. Inglés y Castellano
- Data Visualization with R
- Big Book of R
- JavaScript for R
- Hands-On Data Visualization
- Fundamentals of Data Visualization
- Supervised Machine Learning for Text Analysis in R
- Modern R with the tidyverse
- Spatial Microsimulation with R
- R Advanced Spatial Lessons
- R Packages
- R Graphics Cookbook
- Advanced R
- rstudio4edu
- R for Health Data Science
- Linear Algebra for Data Science
- Aprendizaje Estadístico con R
- Simulación Estadística con R
- R para profesionales de los datos: una introducción
- Aprendiendo R sin morir en el intento
- Interpretable Machine Learning
- The caret Package
- Elegant and informative maps with tmap
- Spatial Modelling for Data Scientists
- Command Line Basics for R Users
- Engineering Production-Grade Shiny Apps
- Outstanding User Interfaces with Shiny
- The Shiny AWS Book
- Twitter for Scientists
- Spatial Data Science
- Handbook of Graphs and Networks in People Analytics

- Officeverse R & Office
- Spatial Analysis With R
- R Programming for Data Science
- The R Book
- R Notes for Professionals
- An Introduction to Spatial Data Analysis and Visualisation in R
- Think Bayes 2e
- Quantitative Politics with R
- Data Science in Education Using R
- Data Skills for Reproducible Science
- Handbook of Regression Modeling in People Analytics
- Handbook of Graphs and Networks in People Analytics With Examples in R and Python
- Tidy Finance with R
- Predictive Soil Mapping with R
- Deep Learning
- Technical Foundations of Informatics
- YaRrr! The Pirate's Guide to R
- An R companion to Statistics: data analysis and modelling
- Learning Statistics with R
- Happy Git and GitHub for the useR
- Introduction to Econometrics with R
- R4JournalismBook
- Libro Vivo de Ciencia de Datos
- Introduction to Probability for Data Science
- Spatial Data Science with applications in R
- R for Data Analysis
- Data Analysis and Prediction Algorithms with R
- Análisis de datos y algoritmos de predicción con R
- The Art of Data Science
- R for data science: tidyverse and beyond
- Statistical Inference via Data Science
- Introduction to urban accessibility: a practical guide in R
- Tidy Finance
- Deep Learning and Scientific Computing with R torch
- Econometrics with the Tidyverse
- Building reproducible analytical pipelines with R
- Satellite Image Time Series Analysis on Earth Observation Data Cubes
- Spatial Statistics for Data Science: Theory and Practice with R
- Geographic Data Science with R: Visualizing and Analyzing Environmental Change
- Apache Arrow R Cookbook
- An Introduction to R and Python For Data Analysis: A Side By Side Approach
- Using the flextable R package
- Spatial sampling with R
- Interactive web-based data visualization with R, plotly, and shiny
- Modern Data Science with R
- Quarto for Scientists
- Introduction to Environmental Data Science
- Manual de R
- Modern R with the tidyverse
- Tidy Modeling with R
- Data Analysis in Medicine and Health using R
- Crime by the Numbers: A Criminologist's Guide to R
- R Tutorial: Mastering Data Analysis and More
- Data transformation with R

- Data Visualization and Exploration with R
- Introduction to Probability and Statistics Using R
- Fundamentos de ciencia de datos con R
- Financial Risk Modelling and Portfolio Optimization with R
- R in Finance: Introduction to R and Its Applications in Finance
- Deep R Programming
- Beyond Multiple Linear Regression
- Analyzing US Census Data: Methods, Maps, and Models in R
- Psychometrics in Exercises using R and RStudio
- Introduction to NFL Analytics with R
- Feature Engineering and Selection: A Practical Approach for Predictive Models
- Applied Machine Learning Using mlr3 in R
- Behavior Analysis with Machine Learning Using R
- Data Analytics: A Small Data Approach
- R for Social Network Analysis
- Cookbook Polars for R
- DIY API with Make and {plumber}
- ggplot2: Elegant Graphics for Data Analysis (3e)
- R for the Rest of Us: A Statistics-Free Introduction
- Un Recorrido por los Métodos Cuantitativos en Ciencias Sociales a bordo de R
- What They Forgot to Teach You About R
- Tidyverse Skills for Data Science
- A Business Analyst's Introduction to Business Analytics
- Telling Stories with Data
- The tidyverse style guide
- Empirical Research in Accounting: Tools and Methods
- Data Visualization with R
- Introduction to MySQL with R
- Physical Oceanography Distributed Active Archive Center totorials
- The SAR Handbook
- Advanced International Trade in R
- The Orange Book of Machine Learning
- Data Management in Large-Scale Education Research
- R for Non-Programmers: A Guide for Social Scientists
- Scaling Up With R and Arrow
- Best Books on Generative AI
- R in Production
- Improving Your Statistical Inferences
- Introduction to Web Mapping
- Analítica predictiva avanzada