DEPOSITARE I DATI DI RICERCA: CHI, DOVE, COME, QUANDO E PERCHE'

Research Data Unipd: un archivio affidabile, open e FAIR per pubblicare i dati di ricerca

31 maggio 2023

SISTEMA BIBLIOTECARIO DI ATENEO

Open Data @ UniPD

2004	2005	2015	2017	2018
Messina OA declaration	Unipd Statement Statuto, Titolo III, Art. 56, Comma 3	Open Access Policy	Open Access Regulation	Policy on Open data

https://www.unipd.it/sites/unipd.it/files/2018/policy%20dati%20ricerca.pdf

- This policy applies to all the research projects of the University, limited to the parts for which it is responsible

- Staff people are bound to observe it

- Research data must be archived in the digital repository of the University of Padova Research Data Unipd or in a digital archive that complies with international standards

- Data must be stored in a correct, complete and reliable way, respecting their integrity.

- They must also be accessible, identifiable, traceable, interoperable and, where possible, available for subsequent use (FAIR principles)

EU funding programs

From OpenAIRE webinar: Horizon 2020 Open Science Policies and beyond, October 22nd, 2019 by Emilie Hermans (Ghent University)
https://www.slideshare.net/OpenAIRE_eu/horizon-2020-open-science-policies-and-beyond-with-emilie-hermans-openaire

Open Science

"Open science is the movement to make scientific research, data and dissemination accessible to all levels of an inquiring society"
FOSTER consortium

OpenAIRE suggests …

By default Horizon 2020 projects participate in the Open Research Data Pilot and they must deposit the following data in a research data repository:

1. all data needed to validate the results presented in scientific publications, including the metadata that describe the research data deposited. This is called the "underlying data". These data must be deposited as soon as possible.
2. any other data (for instance curated data not directly attributable to a publication, or raw data), including the associated metadata, as specified and within the deadlines laid down in the Data Management Plan – that is, according to the individual judgement by each project/grantee.
3. projects should also provide information via the chosen repository about the tools that are needed to validate the results, e.g. specialised software or software code, algorithms and analysis protocols. Where possible, they should provide these instruments themselves, or alternatively, provide direct access to them.

https://www.openaire.eu/find-trustworthy-data-repository

Open methodology

https://openlabnotebooks.org

https://theopennotebook.com/

OpenLab/Notebooks by Foster

Code Ocean

Protocols.io

Pre-registration

= the practice of pre-recording experiments

OSF – Open Science Framework

Organizational Behavior and Human Decision Processes
Volume 164, May 2021, Pages 179-191

ELSEVIER

Joy and rigor in behavioral science ☆

Hanne K. Collins, Ashley V. Whillans, Leslie K. John

https://doi.org/10.1016/j.obhdp.2021.03.002

JCP
JOURNAL OF CONSUMER PSYCHOLOGY

SCP
SOCIETY FOR CONSUMER PSYCHOLOGY

Basic Science for Clinicians | 🔓 Full Access

The Need for Synergy in Academic Policies: An Introduction to the Dialogue on Pre-registration

Aradhna Krishna ✉

First published: 03 December 2020 | https://doi.org/10.1002/jcpy.1211 | Citations: 4

https://doi.org/10.1002/jcpy.1211

Repositories

Psychological Datasets

Data Set and Repository Lists

Other Data Repositories and Resources

Sources for Psychological Datasets

re3data.org
REGISTRY OF RESEARCH DATA REPOSITORIES

Data Set and Repository Lists

The following sites provide lists of data sets and data repositories, compiled by trusted psychological authorities.

- APA Links to Data Sets
  A list of publicly available data sets and repositories compiled by the American Psychological Association.

- The Kinsey Institute - Data Archives
  Data archive sources primarily related to human sexuality, compiled by the Kinsey Institute at Indiana University Bloomington.

- re3data.org
  Global registry of research data repositories that covers repositories from different academic disciplines.
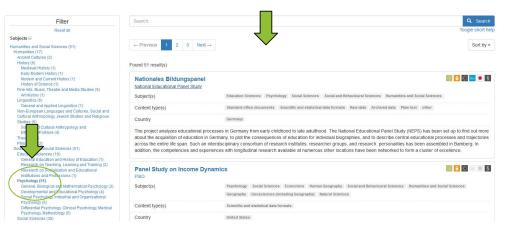
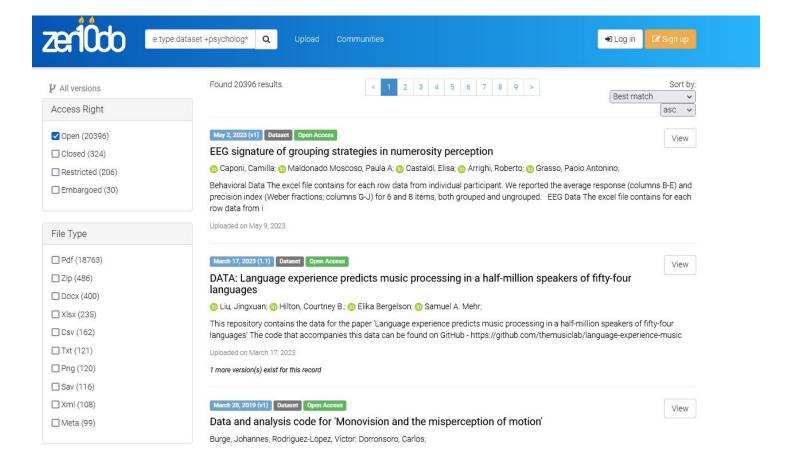**Other Data Repositories and Resources**

- Data.World - Psychology
  Data sets tagged "Psychology" on data.world, an open platform for sharing and finding data sets. See also their collection of datasets tagged "education."

Filter
Reset all
Subjects ⊟

Humanities and Social Sciences (51)
  Humanities (17)
    Ancient Cultures (2)
    History (6)
      Medieval History (1)
      Early Modern History (1)
      Modern and Current History (1)
      History of Science (1)
    Fine Arts, Music, Theatre and Media Studies (5)
      Art History (1)
    Linguistics (6)
      General and Applied Linguistics (1)
    Non-European Languages and Cultures, Social and
    Cultural Anthropology, Jewish Studies and Religious
    Studies (6)
      Social and Cultural Anthropology and
      [...]Folklore (4)
    The[...]
    Phil[...] (2)
  Soc[...] [...]ioural Sciences (51)
    Educa[...] Sciences (16)
      General Education and History of Education (1)
      Research on Teaching, Learning and Training (2)
      Research on Socialization and Educational
      Institutions and Professions (1)
    Psychology (51)
      General, Biological and Mathematical Psychology (3)
      Developmental and Educational Psychology (4)
      Social Psychology, Industrial and Organisational
      Psychology (5)
      Differential Psychology, Clinical Psychology, Medical
      Psychology, Methodology (5)
    Social Sciences (30)

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Found 51 result(s)

Nationales Bildungspanel
National Educational Panel Study

Subject(s)   Education Sciences Psychology Social Sciences Social and Behavioural Sciences Humanities and Social Sciences

Content type(s)   Standard office documents Scientific and statistical data formats Raw data Archived data Plain text other

Country   Germany

The project analyzes educational processes in Germany from early childhood to late adulthood. The National Educational Panel Study (NEPS) has been set up to find out more about the acquisition of education in Germany, to plot the consequences of education for individual biographies, and to describe central educational processes and trajectories across the entire life span. Such an interdisciplinary consortium of research institutes, researcher groups, and research. personalities has been assembled in Bamberg. In addition, the competencies and experiences with longitudinal research available at numerous other locations have been networked to form a cluster of excellence.

Panel Study on Income Dynamics
PSID

Subject(s)   Psychology Social Sciences Economics Human Geography Social and Behavioural Sciences Humanities and Social Sciences
              Geography Geosciences (including Geography) Natural Sciences

Content type(s)   Scientific and statistical data formats
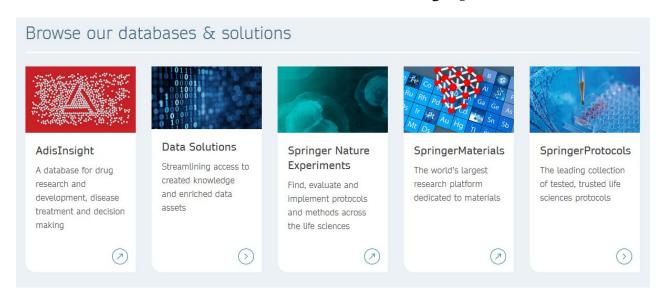
Country   United States

resource_type.type:dataset +psycholog*
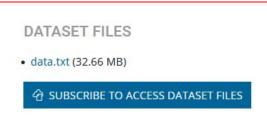https://zenodo.org/search?page=1&size=20&q=resource_type.type:dataset%20%2Bpsycholog*&access_right=open
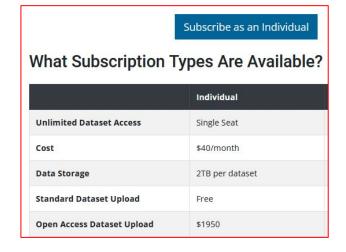
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AdisInsight

A database for drug research and development, disease treatment and decision making

Data Solutions

Streamlining access to created knowledge and enriched data assets

Springer Nature Experiments

Find, evaluate and implement protocols and methods across the life sciences

SpringerMaterials

The world's largest research platform dedicated to materials

SpringerProtocols

The leading collection of tested, trusted life sciences protocols

https://www.springernature.com/gp/products/database

Additional services offered by publishers (at a cost!)

DATASET FILES

- data.txt (32.66 MB)

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What Subscription Types Are Available?

	Individual
Unlimited Dataset Access	Single Seat
Cost	$40/month
Data Storage	2TB per dataset
Standard Dataset Upload	Free
Open Access Dataset Upload	$1950

Trustworthy Digital Repositories (TDRs)

Principle	Guidance for repositories
Transparency	To be transparent about specific repository services and data holdings that are verifiable by publicly accessible evidence.
Responsibility	To be responsible for ensuring the authenticity and integrity of data holdings and for the reliability and persistence of its service.
User Focus	To ensure that the data management norms and expectations of target user communities are met.
Sustainability	To sustain services and preserve data holdings for the long-term.
Technology	To provide infrastructure and capabilities to support secure, persistent, and reliable services.

in: Lin, D., Crabtree, J., Dillo, I. *et al*. The TRUST Principles for digital repositories. *Sci Data* 7, 144 (2020).
https://doi.org/10.1038/s41597-020-0486-7

see also COAR: https://www.coar-repositories.org/coar-community-framework-for-good-practices-in-repositories/
and EUA: https://eua.eu/downloads/publications/2021%20oa%20checklist%20final.pdf

RESEARCH
DATA
UNIPD

UNIVERSITÀ
DEGLI STUDI
DI PADOVA

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Search...   SEARCH

Research Data Unipd is a research data archive. The service aims to facilitate data discovery, data sharing, and reuse as required by funding institutions (e.g. European Commission).
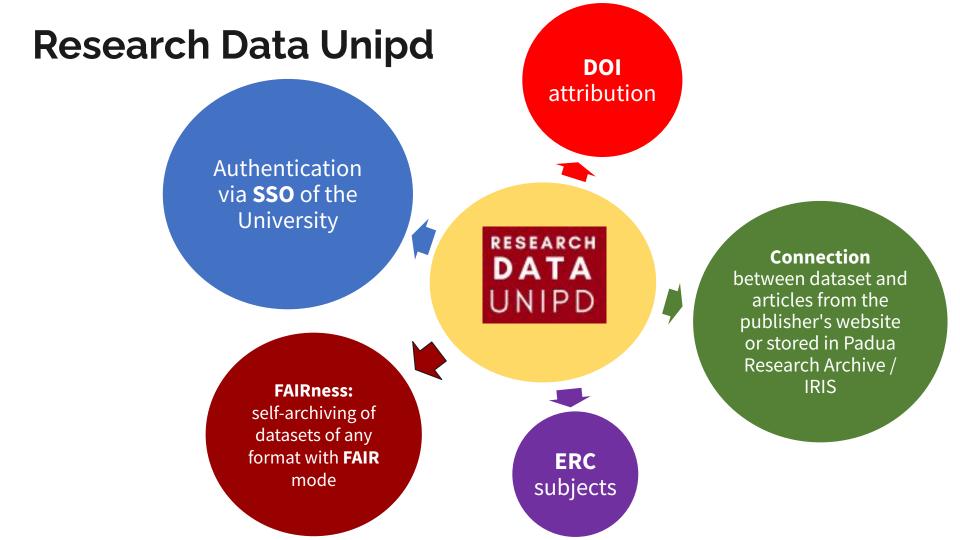
Anyone has access to data. The deposit of datasets is reserved to institutional users: they can log in with their Single Sign-On (SSO) credentials.

The University of Padua recognises the importance of data management for maintaining the quality of scientific research and is committed to applying the highest standards for their collection, archiving and preservation, as stated in the University of Padua Policy on the Management of Research Data (ITA).

For more information on Research Data Management and Repositories, please refer to the Open Research Data section on the University Library System website, or contact the Library Helpline.

Search...   SEARCH

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View items added to the repository in the past 90 days.

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Browse the items in the repository by Year, Subject, Department and Author.

SEARCH REPOSITORY >

Search the repository using a full range of fields. Use the search field at the top of the page for a quick search.

Atom   RSS 1.0   RSS 2.0

Research Data Unipd supports OAI 2.0 with a base URL of https://researchdata.cab.unipd.it/cgi/oai2

Research Data Unipd is indexed in:

OpenAIRE   COAR   re3data.org   openDOAR   FAIRsharing.org
Confederation of Open Access Repositories   REGISTRY OF RESEARCH DATA REPOSITORIES   standards, databases, policies

researchdata.cab.unipd.it

Research Data Unipd

FAIR principles

https://book.fosteropenscience.eu/

FAIR principles
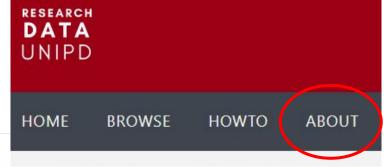
Findable

Rich metadata
Persistent identifiers

Accessible

Metadata always available
Open, standard protocols
Documented formats

Interoperable

Standard vocabularies
Linked metadata

Reusable

Usage licenses
Info on provenance

https://www.fairsfair.eu/

About the Repository

Research Data Unipd supports research produced by members of the University of Padua. The service aims to facilitate data discovery, data sharing, and reuse as required by funding institutions (e.g. European Commission).

According to the University of Padua Policy on the Management of Research Data, data must be stored in a correct, complete and reliable way, respecting their integrity. They must also be accessible, identifiable, traceable, interoperable and, where possible, available for subsequent use as stated in the FAIR principles.

Quality

Datasets published in the Archive have a set of metadata that ensure that data are described and discoverable. Before publication, dataset records are checked by Editors for the presence of appropriate metadata.

Metadata Policy

All published metadata are released under a CC0 licence.

Re-using data

We encourage researchers to use licences on their datasets to promote the reuse of the research data. The licence to be preferred is Creative Commons Attribution 4.0, but several others are used. Any re-use must acknowledge the Creators in an appropriate manner, ideally through a citation similar to that provided with the record.

Recommended formats and data files
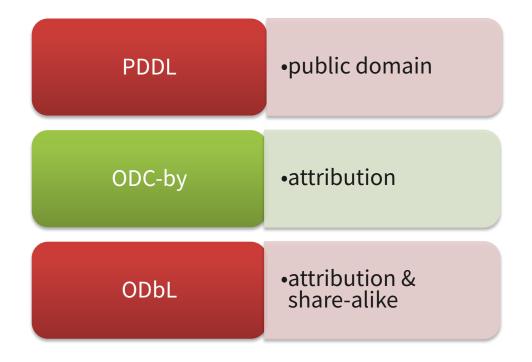
Formats and data files

Submission policy

Submission policy concerning depositors, quality & copyright

Data deposit agreement

Agreement to terms and conditions

Open Data Commons Licenses

PDDL	•public domain
ODC-by	•attribution
ODbL	•attribution & share-alike

https://opendatacommons.org/index.html

Data deposit agreement

When you deposit data in the Research Data Unipd Archive, you must agree to the conditions below. This is done by clicking the "Deposit" button in the archive, before depositing the item.

This agreement confirms that you, the depositor, have the right to submit the dataset to the repository.

This agreement ensures that the archive administrators have the right to carry out activities necessary to facilitate the long-term preservation and sharing of datasets.

By submitting your dataset for a deposit, you grant a non-exclusive licence to the University of Padua to archive, publish and disseminate any material within the dataset. The licence is non-exclusive and therefore does not prevent you from exercising any rights you might have to publish and distribute any of the datasets, in its present or future versions, elsewhere.
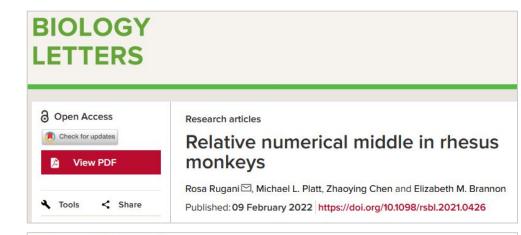
Research data lifecycle

Relative numerical middle in rhesus monkeys

Rugani, Rosa and Platt, Michael and Chen, Zhaoying and Brannon, Elizabeth M (2021) *Relative numerical middle in rhesus monkeys.* [Data Collection]

Related publications
- https://doi.org/10.1098/rsbl.2021.0426 (Publisher)
- https://hdl.handle.net/11577/3415619 (Padua Research Archive)

RESEARCH DATA UNIPD

Data & article reported findings

BIOLOGY LETTERS

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Research articles

Relative numerical middle in rhesus monkeys

Rosa Rugani ✉, Michael L. Platt, Zhaoying Chen and Elizabeth M. Brannon

Published: 09 February 2022 | https://doi.org/10.1098/rsbl.2021.0426

Data accessibility

Our datasets, data and codes are stored and backed up on the Research Data Unipd server: http://researchdata.cab.unipd.it/527/ doi:10.25430/researchdata.cab.unipd.it.00000527. The data are provided in the electronic supplementary material.

Benefits of Open Data

Researchers

- greater discoverability
- increased efficiency
- attracts funding & support
- new collaborations

Funders

- increased visibility & reuse of funded research
- greater funding impact
- greater ROI

General Public

- self-empowerment
- increased transparency
- greater engagement in science & research

Organisations/NGOs

- enhanced access to research
- better information-sharing
- more effective advocacy/lobbying

National Governments

- data-driven decision making
- reduced government costs
- more effective & efficient government services

https://www.openaire.eu/what-is-open-research-data

Reproducibility

PERSPECTIVE article

Front. Big Data, 29 August 2022
Sec. Medicine and Public Health
Volume 5 - 2022 | https://doi.org/10.3389/fdata.2022.988084

This article is part of the Research Topic
Open and Reproducible Data Science: Highlights from the Arkansas Bioinformatics Consortium 2022

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Lessons learned: A neuroimaging research center's transition to open and reproducible science

Keith A. Bush*, Maegan L. Calvert and Clinton D. Kilts

Department of Psychiatry, Brain Imaging Research Center, University of Arkansas for Medical Sciences, Little Rock, AR, United States

Human functional neuroimaging has evolved dramatically in recent years, driven by increased technical complexity and emerging evidence that functional neuroimaging ... are not generally reproducible. In response to these trends, neuroimaging ... principles, practices, and tools to both manage this complexity as ... ility of neuroimaging science. We group these ... registration, FAIR data principles, ... e. While there is growing recognition
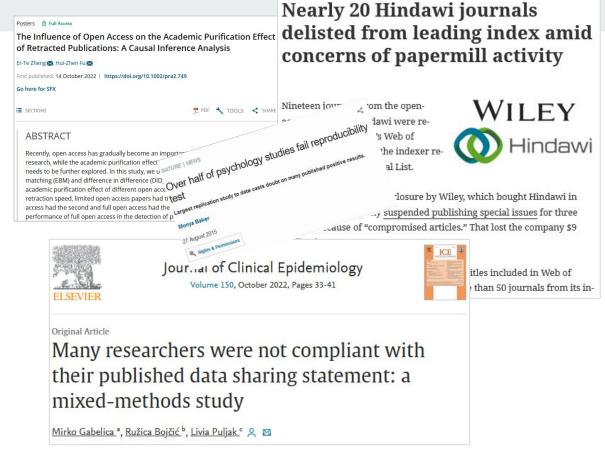
What I wish I had known

Developing an open science 'mindset'

Martin S. Hagger

Full Article | Figures & data | References | Citations | Metrics | Licensing | Reprints & Permis...

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ABSTRACT

Background

Health Psychology and Behavioral Medicine
An Open Access Journal
Volume 10, 2022 - Issue 1

Identification of w... including psychology, such as failures to replicate and the likely extensive application of questionable research practices, has raised serious concerns over the reliability and trustworthiness of scientific research. This has led to the development of, and advocacy for, 'open science' practices, including data, materials, analysis, and output sharing, pre-registration of study predictions and analysis plans, and increased access to published research findings. Implementation of such practices has been enthusiastic in some quarters, but literacy in, and adoption of, these practices has lagged behind among many researchers in the scientific community.

ELSEVIER

Journal of Contextual Behavioral Science
Volume 28, April 2023, Pages 207-214

Transparency and reproducibility in the journal of contextual behavioral science: An audit study ☆, ☆☆

M. Kati Lear [a], Angelica Spata [a], Meredith Tittler [a], Joel N. Fishbein [b, c], Joanna J. Arch [b, d]

Jason B. Luoma [a]

Retractions

Retraction of articles due to lack of data, citations and methodologies are increasing.

The inability to access to data and methods prevents from reproducing experiments and validate results.

Centro di Ateneo per le Biblioteche - Ufficio Biblioteca Digitale