AZSecure Data

The domain repository for Intelligence and Security Informatics research data

Spring Newsletter

www.azsecure-data.org

AZSecure Data accepts legacy and recent datasets from the Intelligence and Security Informatics domain. You can recommend or submit a dataset at any time. If your dataset is complete, but your research is not yet published, the repository will work with you to establish an embargo period so that your data will not be available until you want it to be.

Benefits of data sharing include: increased visibility and citation for researchers, improves science through replicability and reproducibility, saves effort by avoiding duplication of data collection, and increased innovation. Read more:
http://go.nature.com/2HwnwPv

To include your data in the ISI domain repository, please contact us at
ailab@eller.arizona.edu

Disseminate Research Data

FAIR Data Principles: Research data should be **findable, accessible, interoperable, and re-usable**.

Findable: (meta)data are assigned a globally unique and persistent identifier (such as a DOI), data are described with rich metadata, metadata clearly and explicitly include the identifier of the data it describes, (meta)data are registered or indexed in a searchable resource.

Accessible: (meta)data are retrievable by their identifier using a standardized communications protocol, the protocol is open, free, and universally implementable, the protocol allows for an authentication and authorization procedure, metadata are accessible, even when the data are no longer available.

Interoperable: (meta)data use a formal, accessible, shared, and broadly applicable language for knowledge representation, (meta)data use vocabularies that follow FAIR principles, (meta)data include qualified references to other (meta)data.

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Reusable: (meta)data are richly described with a plurality of accurate and relevant attributes, (meta)data are released with a clear and accessible data usage license, (meta)data are associated with detailed provenance, (meta)data meet domain-relevant community standards.

Read more about FAIR: https://www.nature.com/articles/sdata201618. All the parts of FAIR contribute to better dissemination of your research data as an essential research output.

Use Statistics for 2015-2017

Over 2.5 terabytes of data were downloaded from the test portal between its launch in July 2015 and the end of 2017. This represents 38,000 unique file request from 76 countries, indicating that AZSecure Data is reaching the international community.

As use increases, publications citing data registered at AZSecure Data continue to increase. In 2016 data from AZSecure Data received two citations, there were five in 2017, and as of this newsletter there are already three citations in 2018.

Data Preparation

When you register your data with AZSecure Data, staff work with you to create descriptive metadata that accurately describe how and when the data was collected and processed so that researchers who are interested in using your data are able to assess its utility for their needs without contacting you directly, saving everyone time and effort in the long-term. Standard metadata such as author and title are also associated with your data in the repository's database and this metadata will be made available to major research indexes when the migration from the original test portal is complete. Other systems we are working to implement in the new version of the repository such as persistent identifiers (DOIs for data and Handles for other digital objects) and Creative Commons use licenses will make AZSecure a FAIR data repository.

About the Project

With funding from the National Science Foundation, this Data Infrastructure Building Blocks for Intelligence and Security Informatics ("DIBBs for ISI") project is developing a research infrastructure for use by ISI scientists, students, and others studying a wide range of cyber- and security-related issues, whether in the computer, information, or social sciences. The project repository, AZSecure-data, provides researchers and students with free access to a wide variety of relevant data sets. This material is based upon work supported by the National Science Foundation Grant No. ACI-1443019.

Follow Us!

Interested in learning more?

Join our Intelligence and Security Informatics Group on LinkedIn, Facebook, and Twitter.

Follow AZSD on Twitter @AZSecureData

Do you have data to share?

We can help! Send an inquiry to ailab@email.arizona.edu. If you know someone privately hosting or looking to host research data, send them our way!

Tell Us Your Data Story!

Data stories help convey the importance of making sharable data easy to locate and reuse. Tell us your story about working with the datasets we host: which dataset(s) you used and how you used them, what you were investigating, and what you found out.

This newsletter is quarterly, but if you desire more frequent updates on ISI related topics, take a look at Intelligence and Security Informatics on LinkedIn, Facebook, and Twitter. If you missed a newsletter, you can always read them on the portal.

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