# Sharing Data with The Harvard Dataverse Repository

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# Agenda

- Dataverse Project Background
- Dataverse Project APIs
- Demo
- Questions

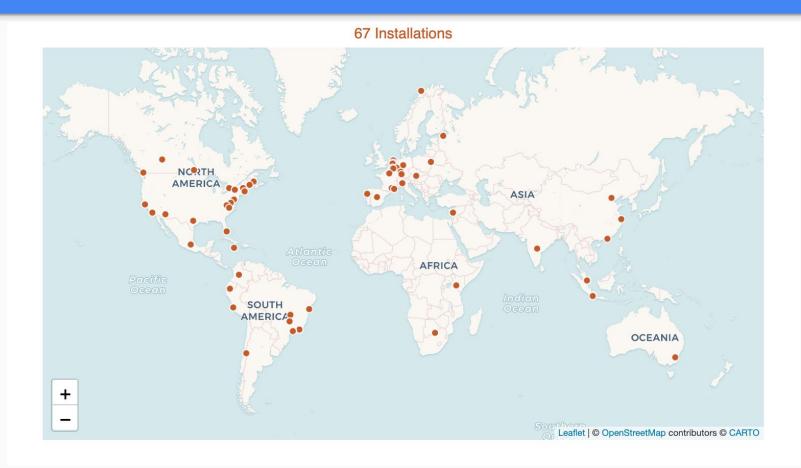
# enabling better, bigger, faster, more collaborative science

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## Dataverse: Open Source Research Data Repository Software



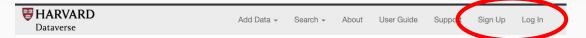
# Dataverse Installations Worldwide



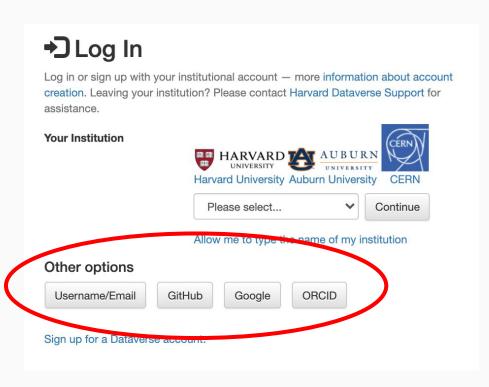
# Depositing your Data Into the Harvard Dataverse Repository (in a few easy steps!)

- Create an Account (in the UI)
- Create an API Token (in the UI)
- Create a Dataverse collection (optional, but recommended!)
- Create a Dataset
- Add File(s)
- Publish your Dataset (and Dataverse collection)

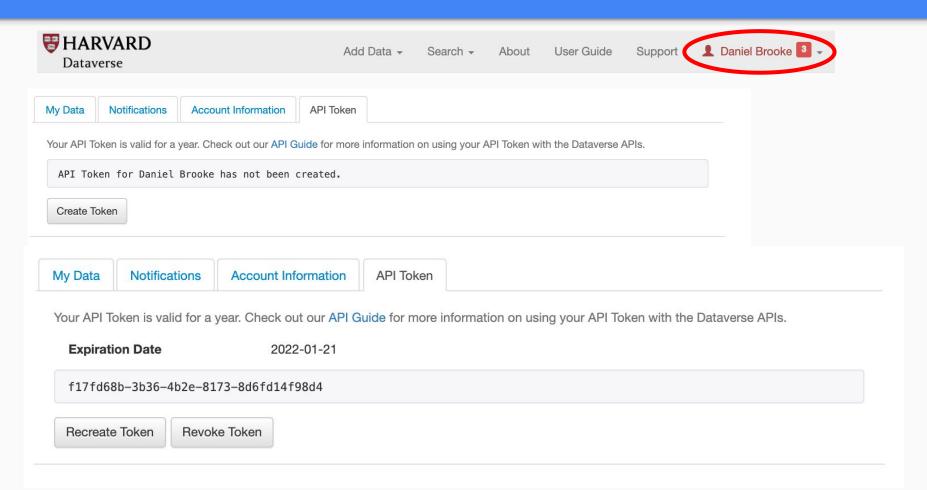
# Step 1: Create an Account



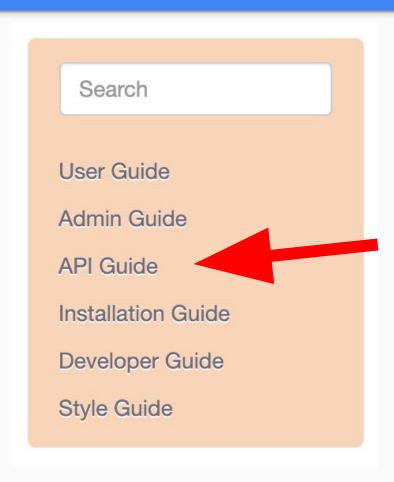
| count Information                        |  |
|--|--|
| ou can also create a Dataverse account v | vith one of our other log in options.  |
| Username * 🕢                             | Create a valid username of 2 to 60 characters in length containing letters (a-Z), numbers (0-9), dashes (-), underscores (_), and periods ().  |
|  |  |
| Password * 3                             | Your password must contain:  • At least 6 characters (passwords of at least 20 characters are exempt from all other requirements)  • At least 1 character from each of the following types: letter, numeral  |
|  |  |
| Retype Password *                        |  |
| Given Name * ()                          |  |
| Family Name * 🕢                          |  |
| Email * 🕢                                |  |
| Affiliation 6                            |  |
| Position ②                               |  |
| General Terms of Use * (2)               | Harvard Dataverse General Terms of Use   |
|  | Acceptance of Terms  |
|  | The following terms and conditions govern all use of the Harvard Dataverse application (the Site) and the services available on or at the Site (the Site and the services taken together, the Service) by you and any third parties who use your account. Use of the Service is offered subject to acceptance of and compliance with all of the terms and conditions contained herein (the General Terms of Use) and all other applicable operating rules, policies and procedures of the Service, by clicking "I accept" and/or by vairs use of the Service, you across and accept all the terms in this General Terms of Use accument "Americane". |
|  | I have read and accept the Dataverse General Terms of Use as outlined above.   |
| Create Account Cancel                    |  |



## Step 2: Create an API Token



#### **Dataverse Software API Guides**



guides.dataverse.org

# Step 3a: Create a Dataverse Collection: Json File

Download dataverse-complete.json file and modify it to suit your needs.

```
"name": "Scientific Research",
"alias": "science",
"dataverseContacts": [
    "contactEmail": "pi@example.edu"
  },
    "contactEmail": "student@example.edu"
"affiliation": "Scientific Research University",
"description": "We do all the science.",
"dataverseType": "LABORATORY"
```

# Step 3b: Create a Dataverse Collection: Execute a Curl Command

## Step 4a: Create a Dataset: Json File

As a starting point, you can download dataset-finch1.json and modify it to meet your needs.

```
"datasetVersion": {
  "metadataBlocks": {
    "citation": {
     "fields": [
          "value": "Darwin's Finches",
          "typeClass": "primitive",
          "multiple": false,
          "typeName": "title"
          "value": [
              "authorName": {
                "value": "Finch, Fiona",
                "typeClass": "primitive",
                "typeName": "authorName"
              "authorAffiliation": {
                "value": "Birds Inc.",
                "typeClass": "primitive",
                "multiple": false,
                "typeName": "authorAffiliation"
          "typeClass": "compound",
          "multiple": true,
          "typeName": "author"
```

https://guides.dataverse.org/en/latest/api/native-api.html#id37

# Step 4b: Create a Dataset: Execute Curl Command, Note the PID

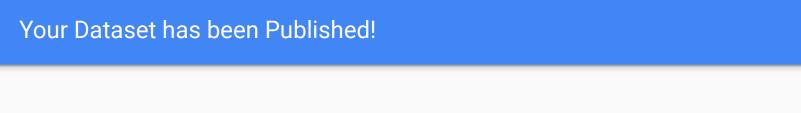
You should expect an HTTP 200 ("OK") response and JSON indicating the database ID and Persistent ID (PID such as DOI or Handle) that has been assigned to your newly created dataset.

# Step 5: Add Files: Execute Curl Command, Repeat as Needed

- A description of the file
- The "File Path" of the file, indicating which folder the file should be uploaded to within the dataset
- Whether or not the file is restricted

# Step 6a: Publish Dataverse Collection

# Step 6b: Publish Dataset



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# A few last things before the Demo

- Guides.dataverse.org is your friend!
- We've only scratched the surface of what Dataverse Software APIs can do
- We try to make everything you can do in the UI available through the APIs
- SWORD API is a standard implementation we focused on the Native API today



https://demo.dataverse.org/dataverse/datafest2021

The Dataverse Project: dataverse.org

Harvard Dataverse: dataverse.harvard.edu

Test the features for Dataverse at: <u>demo.dataverse.org</u>

Contact <a href="mailto:support@dataverse.harvard.edu">support@dataverse.harvard.edu</a> with questions, or ask the Dataverse Project Google Group:

https://groups.google.com/g/dataverse-community