



# Making Secondary Data Collections Discoverable in the uOttawa Scholar's Portal Dataverse

René Duplain  
Chantal Ripp  
Felicity Tayler

# Who are we



**René Duplain**

Research Librarian (GIS)

[Rene.Duplain@uottawa.ca](mailto:Rene.Duplain@uottawa.ca)



**Chantal Ripp**

Research Librarian (Data)

[chantal.ripp@uottawa.ca](mailto:chantal.ripp@uottawa.ca)

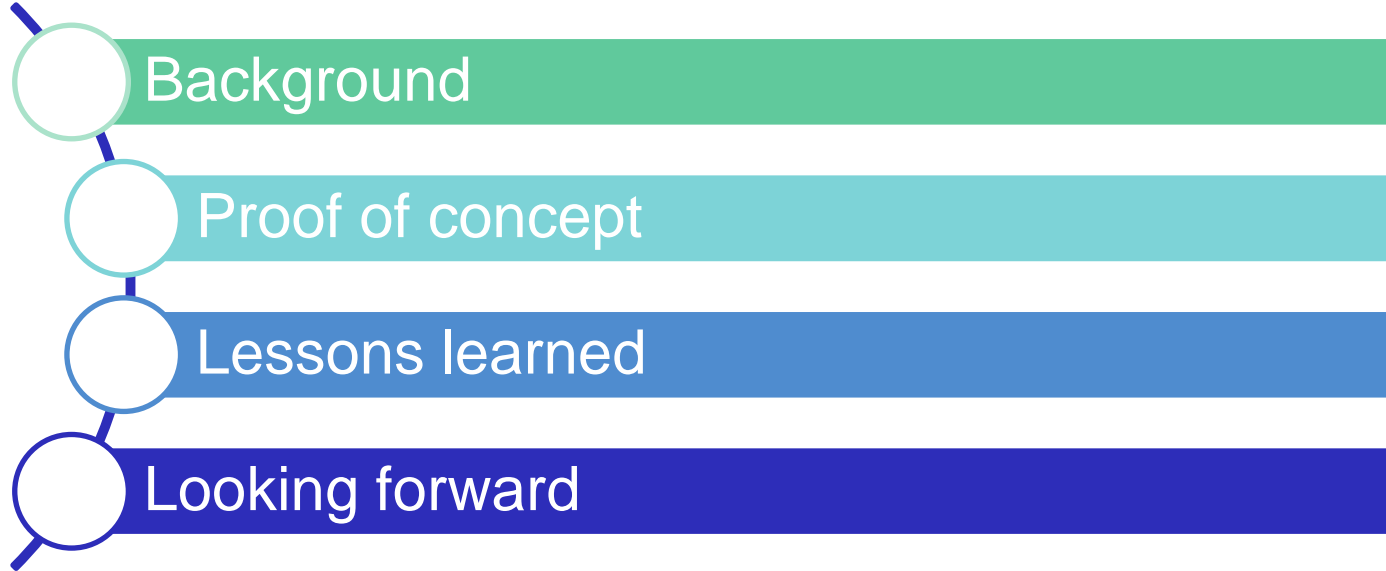


**Felicity Tayler**

Interim Head, Research  
Services (Arts & Special  
Collections)

[Felicity.Tayler@uottawa.ca](mailto:Felicity.Tayler@uottawa.ca)

# Overview



# Dataverse



## lifestyle

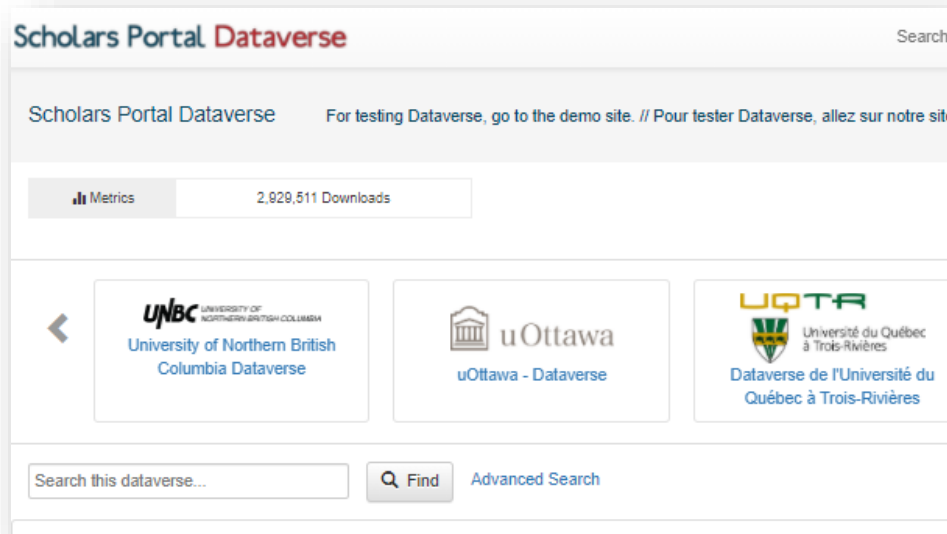
It'll be ok!

Image courtesy of  
Jonathan Dorey,  
INRS | ENAP | TÉLUQ  
Circulated on Scholar's Portal  
Dataverse Admin listserv

# Scholars Portal Dataverse

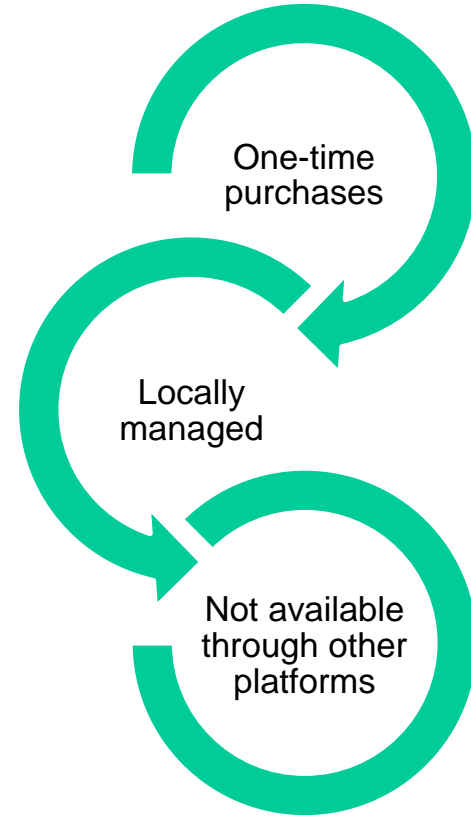
A Service of the Ontario Council of University Libraries

- Publicly accessible
- Secure
- Multi-disciplinary
- Multi-lingual repository
- Institutional dataverses



# Objective

- A collection of datasets hosted on internal webserver
- Made available through various distribution channels
- Opportunity to broaden discovery and use



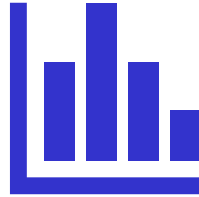
# Exploration of sample of institutions



# Key highlights



**41**  
participating  
institutions  
in SP  
dataverse



**9**  
are  
distributing  
secondary  
data



**> 870**  
studies for  
secondary  
datasets



Open vs  
restricted  
access  
models



# Proof of concept

- Sandbox
- Deposit a variety of newly acquired datasets
- Different access conditions
- Explore use of dataverses in hierarchical structure

The screenshot displays the 'Scholars Portal Dataverse' interface. At the top, there is a navigation bar with links for Search, User Guide, Support, English, and Rene Duplain. Below this, the uOttawa logo and 'Bibliothèque Library' are visible. The main content area shows the dataset 'Traffic Collisions by Location (2004-2018)' with a 'Draft' status. A description box contains the text: 'Transportation Data Collection & Analytics, 2020. "Traffic Collisions by Location (2004-2018)". https://doi.org/10.5683/SP2/S56ZBS, Scholars Portal Dataverse, DRAFT VERSION, UNF-6:KdSAkU14mqLRFacT0sU6w== [fileUNF]'. To the right of this box is a 'Dataset Metrics' section showing '0 Downloads'. Below the description box, there are tabs for 'Files', 'Metadata', 'Terms', and 'Versions'. The 'Description' section is expanded, showing 'Subject' (Other), 'Keyword' (transportation, collision, traffic, car, bike, walk, pedestrian, bicycle), and 'Notes' (Attributes: • X and Y coordinate format is projected in MTM Zone 9, NAD83 (CSRS) • Year • Location Description (RD1 @ RD2 or RD from RD 1 to RD 2) • Count of all collisions • Count of pedestrian collisions (included in count of all collisions) • Count of Bicycle collisions (included in count of all collisions) • Latitude and longitude). At the bottom, there is a 'Change View' section with 'Table' and 'Tree' options.

# City of Ottawa's traffic collisions dataset (2004-2018)

Scholars Portal Dataserve

Search ▾ User Guide Support English ▾ Rene Duplain ▾



uOttawa Interdisciplinary Data Collection / Collection de données interdisciplinaires de de la bibliothèque uOttawa (University of Ottawa) Draft Unpublished

Scholars Portal Dataserve > uOttawa - Dataserve > uOttawa Interdisciplinary Data Collection / Collection de données interdisciplinaires de de la bibliothèque uOttawa > Traffic Collisions by Location (2004-2018)

Contact Share Publish Edit ▾

 **Traffic Collisions by Location (2004-2018)** Draft Unpublished

Transportation Data Collection & Analytics, 2020, "Traffic Collisions by Location (2004-2018)", <https://doi.org/10.5683/SP2/S56ZBS>, Scholars Portal Dataserve, DRAFT VERSION, UNF:6:KdSAnkU14mqLRFacT0sU6w== [fileUNF] ⓘ

Cite Dataset ▾ Learn about Data Citation Standards.

**Dataset Metrics ⓘ**  
0 Downloads ⓘ

**Description ⓘ**  
Locational listing of collisions by year with total of pedestrian and cycling collisions listed and geographically represented on the centroid of the line segment or intersection.

**Subject ⓘ**  
Other

**Keyword ⓘ**  
transportation, collision, traffic, car, bike, walk, pedestrian, bicycle

**Notes ⓘ**  
Attributes: • X and Y coordinate format is projected in MTM Zone 9, NAD83 (CSRS) • Year • Location Description (RD1 @ RD2 or RD from RD 1 to RD 2) • Count of all collisions • Count of pedestrian collisions (included in count of all collisions) • Count of Bicycle collisions (included in count of all collisions) • Latitude and longitude

Files Metadata Terms Versions

Change View Table Tree

# Data files

Scholars Portal **Dataverse**

Search ▾ User Guide Support English ▾ Rene Duplain ▾

Files Metadata Terms Versions

Change View

Table Tree

Search this dataset...

Q Find

+ Upload Files

Filter by















File Type: All ▾ Access: All ▾

Sort ▾

1 to 10 of 17 Files

Edit Files ▾

Download ▾

	 <b>2004 dataset.xls</b> Collision Dataset OttawaU_2004-2018/ MS Excel Spreadsheet - 9.6 MB - May 26, 2020 - 0 Downloads MD5: cfc98315e294bc427a1cb4074cdcb0b8	<div>Download</div>
	 <b>2005 dataset.xls</b> Collision Dataset OttawaU_2004-2018/ MS Excel Spreadsheet - 9.9 MB - May 26, 2020 - 0 Downloads MD5: 722b191ef8820c4966d0317880c8a44	<div>Download</div>
	 <b>2006 dataset.xls</b> Collision Dataset OttawaU_2004-2018/ MS Excel Spreadsheet - 9.7 MB - May 26, 2020 - 0 Downloads MD5: 37afb897679b348bfb5cc486ba957	<div>Download</div>
	 <b>2007 dataset.xls</b> Collision Dataset OttawaU_2004-2018/ MS Excel Spreadsheet - 10.4 MB - May 26, 2020 - 0 Downloads MD5: bdec1cfa5c84682d167952ee4f2a152d	<div>Download</div>
	 <b>2008 dataset.xls</b> Collision Dataset OttawaU_2004-2018/ MS Excel Spreadsheet - 10.1 MB - May 26, 2020 - 0 Downloads MD5: 184eef1155649986ac9b9f12e26e0b06	<div>Download</div>
	 <b>2009 dataset.xls</b> Collision Dataset OttawaU_2004-2018/ MS Excel Spreadsheet - 9.1 MB - May 26, 2020 - 0 Downloads MD5: 97e05407c8380c7fc62d80024c2f43f8	<div>Download</div>
	 <b>2010 dataset.xls</b> Collision Dataset OttawaU_2004-2018/ MS Excel Spreadsheet - 9.7 MB - May 26, 2020 - 0 Downloads MD5: 86fead57b9972a16c9bea8aba0e0639	<div>Download</div>

# Example of a data file (“2018 dataset.xls”)

V1	Road Surface Condition								
	V	W	X	Y	Z	AA	AB	AC	AD
1	Road Surface Condition	Road Alignment	Road Pavement Markings	Vehicle Type	Vehicle Condition	Vehicle Damage	Age	Sex	Driver Condition
2	03 - Loose snow	03 - Curve on level	03 - Obscured	01 - Automobile, station wagon	01 - No apparent defect	03 - Moderate	48	Male	08 - Inattentive
3	06 - Ice	03 - Curve on level	01 - Exist	01 - Automobile, station wagon	00 - Unknown	00 - Unknown	68	Male	06 - Fatigue
4	05 - Packed snow	01 - Straight on level	01 - Exist	01 - Automobile, station wagon	01 - No apparent defect	04 - Severe	0	Unknown	00 - Unknown
5	01 - Dry	01 - Straight on level	01 - Exist	04 - Passenger van	01 - No apparent defect	03 - Moderate	30	Female	08 - Inattentive
6	01 - Dry	01 - Straight on level	01 - Exist	04 - Passenger van	01 - No apparent defect	03 - Moderate	50	Male	01 - Normal
7	01 - Dry	01 - Straight on level	01 - Exist	01 - Automobile, station wagon	01 - No apparent defect	02 - Light	25	Female	03 - Ability impaired, alcohol (over .08)
8	06 - Ice	01 - Straight on level	01 - Exist	01 - Automobile, station wagon	01 - No apparent defect	04 - Severe	28	Male	01 - Normal
9	01 - Dry	01 - Straight on level	01 - Exist	01 - Automobile, station wagon	01 - No apparent defect	03 - Moderate	23	Male	00 - Unknown
10	06 - Ice	01 - Straight on level	01 - Exist	34 - Police vehicle	01 - No apparent defect	05 - Demolished	39	Male	01 - Normal
11	01 - Dry	01 - Straight on level	02 - Non-existent	00 - Unknown	00 - Unknown	00 - Unknown	0	Unknown	00 - Unknown
12	01 - Dry	01 - Straight on level	02 - Non-existent	01 - Automobile, station wagon	01 - No apparent defect	05 - Demolished	27	Male	03 - Ability impaired, alcohol (over .08)
13	03 - Loose snow	01 - Straight on level	01 - Exist	00 - Unknown	00 - Unknown	00 - Unknown	0	Unknown	00 - Unknown
14	06 - Ice	02 - Straight on hill	01 - Exist	01 - Automobile, station wagon	01 - No apparent defect	03 - Moderate	81	Female	01 - Normal
15	06 - Ice	02 - Straight on hill	01 - Exist	01 - Automobile, station wagon	01 - No apparent defect	02 - Light	56	Female	01 - Normal
16	06 - Ice	01 - Straight on level	01 - Exist	05 - Pick-up truck	01 - No apparent defect	05 - Demolished	27	Male	01 - Normal
17	01 - Dry	01 - Straight on level	01 - Exist	01 - Automobile, station wagon	01 - No apparent defect	03 - Moderate	40	Female	00 - Unknown
18	01 - Dry	01 - Straight on level	01 - Exist	04 - Passenger van	01 - No apparent defect	03 - Moderate	57	Male	00 - Unknown
19	06 - Ice	03 - Curve on level	03 - Obscured	01 - Automobile, station wagon	01 - No apparent defect	03 - Moderate	21	Female	01 - Normal
20	06 - Ice	01 - Straight on level	01 - Exist	01 - Automobile, station wagon	01 - No apparent defect	02 - Light	20	Male	08 - Inattentive
21	06 - Ice	01 - Straight on level	01 - Exist	01 - Automobile, station wagon	01 - No apparent defect	02 - Light	30	Male	01 - Normal
22	01 - Dry	01 - Straight on level	01 - Exist	01 - Automobile, station wagon	01 - No apparent defect	05 - Demolished	28	Male	01 - Normal
23	01 - Dry	01 - Straight on level	01 - Exist	01 - Automobile, station wagon	01 - No apparent defect	04 - Severe	26	Female	01 - Normal
24	03 - Loose snow	01 - Straight on level	03 - Obscured	36 - Bicycle	01 - No apparent defect	01 - None	31	Male	08 - Inattentive
25	04 - Slush	01 - Straight on level	03 - Obscured	01 - Automobile, station wagon	01 - No apparent defect	02 - Light	73	Male	01 - Normal
26	05 - Packed snow	01 - Straight on level	01 - Exist	01 - Automobile, station wagon	01 - No apparent defect	04 - Severe	67	Male	08 - Inattentive
27	05 - Packed snow	01 - Straight on level	01 - Exist	01 - Automobile, station wagon	01 - No apparent defect	03 - Moderate	19	Female	01 - Normal
28	02 - Wet	01 - Straight on level	01 - Exist	05 - Pick-up truck	01 - No apparent defect	02 - Light	82	Male	08 - Inattentive
29	02 - Wet	01 - Straight on level	01 - Exist	01 - Automobile, station wagon	01 - No apparent defect	03 - Moderate	54	Male	01 - Normal
30	03 - Loose snow	01 - Straight on level	03 - Obscured	01 - Automobile, station wagon	01 - No apparent defect	02 - Light	83	Female	01 - Normal
31	06 - Ice	01 - Straight on level	03 - Obscured	03 - Moped	01 - No apparent defect	03 - Moderate	59	Male	01 - Normal
32	06 - Ice	01 - Straight on level	01 - Exist	01 - Automobile, station wagon	01 - No apparent defect	03 - Moderate	43	Male	01 - Normal
33	02 - Wet	01 - Straight on level	01 - Exist	01 - Automobile, station wagon	01 - No apparent defect	03 - Moderate	71	Male	01 - Normal
34	05 - Packed snow	01 - Straight on level	03 - Obscured	01 - Automobile, station wagon	01 - No apparent defect	04 - Severe	56	Male	01 - Normal
35	05 - Packed snow	01 - Straight on level	03 - Obscured	31 - Snow plow	01 - No apparent defect	01 - None	36	Male	01 - Normal
36	05 - Packed snow	03 - Curve on level	01 - Exist	05 - Pick-up truck	01 - No apparent defect	04 - Severe	80	Male	01 - Normal
37	05 - Packed snow	01 - Straight on level	01 - Exist	01 - Automobile, station wagon	01 - No apparent defect	05 - Demolished	49	Male	01 - Normal
38	AllCollisions2018	Injuries and Pedestrians, 2018							

# Some ambiguity in selected metadata fields

Scholars Portal **Dataverse** Search User Guide Support English Rene Duplain

Files Metadata Terms Versions

Add + Edit Metadata

Citation Metadata

Dataset Persistent ID	doi:10.5683/SP2/S56ZBS
Title	Traffic Collisions by Location (2004-2018)
Author	City of Ottawa
Contact	Use email button above to contact. GSG Centre (University of Ottawa)
Description	Locational listing of collisions by year with total of pedestrian and cycling collisions listed and geographically represented on the centroid of the line segment or intersection.
Subject	Other
Keyword	transportation collision traffic car bike walk pedestrian bicycle
Notes	Attributes: X and Y coordinate format is projected in MTM Zone 9, NAD83 (CSRS) • Year • Location Description (RD1 @ RD2 or RD from RD 1 to RD 2) • Count of all collisions • Count of pedestrian collisions (included in count of all collisions) • Count of Bicycle collisions (included in count of all collisions) • Latitude and longitude
Depositor	Ripp, Chantal
Deposit Date	2020-05-19

What to use here?

Geospatial metadata in Notes section?

# Geospatial metadata

Information on the geographic coverage of the data. Includes the total geographic scope of the data.

Lowest level of geographic aggregation covered by the Dataset, e.g., village, county, region.

The fundamental geometric description for any Dataset that models geography is the geographic bounding box. It describes the minimum box, defined by west and east longitudes and north and south latitudes, which includes the largest geographic extent of the Dataset's geographic coverage.

## Scholars Portal Dataverse

[Search](#)[User Guide](#)[Support](#)[English](#)[Rene Duplain](#)

### Geospatial Metadata

#### Geographic Coverage

##### Country / Nation

##### State / Province



##### City

##### Other

#### Geographic Unit



#### Geographic Bounding Box

##### West Longitude

##### East Longitude



##### North Latitude

##### South Latitude

[Social Science and Humanities Metadata](#)[Astronomy and Astrophysics Metadata](#)[Life Sciences Metadata](#)

# Terms of use

**Scholars Portal Dataverse** Search User Guide Support

**Description** ② Locational listing of collisions by year with total of pedestrian and cycling collisions listed and geographic centroid of the line segment or intersection.

**Subject** ② Other

**Keyword** ② transportation, collision, traffic, car, bike, walk, pedestrian, bicycle

**Notes** ② Attributes: • X and Y coordinate format is projected in MTM Zone 9, NAD83 (CSRS) • Year • Location from RD 1 to RD 2 • Count of all collisions • Count of pedestrian collisions (included in count of all collisions) • Latitude and longitude

Files Metadata Terms Versions

## Terms of Use

### Waiver

Our Community Norms as well as good scientific practices expect that proper credit is given via citation. Please use the data citation above, generated by the Dataverse.

No waiver has been selected for this dataset.

### Terms of Use

[Data Release Agreement / Accord d'acquisition et d'utilisation des données](#)

### Special Permissions

University of Ottawa students, faculty and staff

## Restricted Files + Terms of Access

### Restricted Files

There are 10 restricted files in this dataset.

### Terms of Access

Access available to uOttawa community

### Request Access

Users may request access to files.

## Guestbook

**uOttawa**

**Bibliothèque | Library**

**Accord d'acquisition et d'utilisation des données** **Data Release Agreement**

Je suis affilié à l'Université d'Ottawa en tant que membre du corps professoral, étudiant(e) ou employé(e) et je consens à respecter les termes et les obligations auxquels l'Université s'inscrit au propriétaire des données suivant: Ville d'Ottawa.

Je reconnais que :

- Les produits de données mis à ma disposition demeurent la propriété de Ville d'Ottawa et ne sont accessibles à travers la licence acquise par l'Université d'Ottawa.
- Les produits de données sont mis à ma disposition à des fins exclusives d'enseignement, de recherche, de publications et l'on ne peut les utiliser à d'autres fins sans avoir préalablement obtenu par écrit une autorisation explicite du propriétaire des données.
- Je n'ai pas le droit d'utiliser les produits de données à des fins commerciales ou lucratives, pour mon propre compte ou pour celui de l'Université d'Ottawa.
- Les produits de données sont mis à ma disposition pour mon utilisation personnelle comme copie de travail. La distribution, à l'extérieur de l'Université d'Ottawa, que ce soit par la vente, le don, le transfert ou l'échange de toute partie des données, est strictement interdite.
- Les produits de données sont mis à ma disposition tels quels, sans que le propriétaire des données fasse de représentation ni offre de garantie explicite ou implicite sur leur pertinence et leur adaptation à des fins particulières.
- Les auteurs de publication des données, des images et des cartes résultant de recherches ou d'études à l'aide d'un produit de données sont tenus de préciser la source exacte de ces données.
- Les produits de données que j'obtiens par cet accord demeurent à la disposition du propriétaire des données. Toutes données numériques doivent être retournées au Réseau de bibliothèques ou détruites après l'achèvement de mon projet de recherche.

I am affiliated with the University of Ottawa as a faculty member, student or staff member and I agree to abide by the terms of the University's contractual obligations to the owner of the Data known as City of Ottawa.

I understand and acknowledge that:

- The Data provided to me are the property of the City of Ottawa and are being provided to me under license to the University of Ottawa.
- The Data provided to me is for the exclusive purposes of teaching or academic research and may not be used for any other purposes without the explicit written approval, in advance, of the owner of the Data.
- I am prohibited from using these Data products in the pursuit of any commercial or income-generating venture either privately or under the auspices of the University of Ottawa.
- The Data is released to me as a working copy for my use only. The distribution, sale, donation, transfer or exchange of any portion of these data in any way is expressly prohibited.
- The Data is accepted "as is", and that the owner makes no representations or warranties, either expressed or implied, as to the appropriateness and fitness for a particular purpose.
- All publications, paper printouts, or bitmap images of the data must acknowledge explicitly the owner of the Data.
- Data obtained by this agreement remains the property of the owner of the data. All digital data must be returned to the Library Network or destroyed upon the completion of my research project, course assignment, or thesis work if these data can be reverse engineered/disaggregated to the original values.
- The University's use of these data may be subject to audit by the Owner, so that in the event of audit, my use of these data may be disclosed to the Owner or its

**Link to our custom  
Data Release Agreement?**

# Lessons learned

- De-mystified platform, required metadata fields, and inputs for common fields across datasets (e.g. Contact)
- Need to go with preferential language of choice (challenge in bilingual metadata discovery)
- Limited geospatial metadata
- Overall, Dataverse seems a suitable option for our needs



# Future direction

- Data Inventory – datasets within scope of interest
- Continue investigating other discovery services for geospatial datasets (e.g. Scholar's Portal Geoportal)
- Explore integration with other library discovery services (OMNI)
- Refine deposit/curation practices



# QUESTIONS