

Dataverse 'Installation Personas'

A UX concept adopted to enable the navigation of Dataverse installations, for the purpose of sharing ideas and technical experiences by the international community

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Dataverse is an open source repository to share, preserve, cite, explore, and analyze data. <https://dataverse.org>



The Global Dataverse Community Consortium
Supporting Dataverse repositories around the world <http://dataversecommunity.global>

CONCEPT

By applying the UX concept of 'personas' to Dataverse installations, we can represent different Dataverse access models and technical configurations. **Installation Personas** can be used to describe and classify users' needs, experiences, behaviours, and goals. Within the community we are discovering that we want to identify installations that may have already implemented a configuration, or are working towards a similar outcome, to share and build on experiences.

DESIGN AND DEVELOPMENT

This poster presents key aspects of a model for a software tool, tentatively called the 'Installation Persona Interface', for exploring Dataverse installations by configuration. The 'interface' is at the design and development stage, after collaborating at the Dataverse Community Meeting 2019 in June (<https://projects.iq.harvard.edu/dcm2019>).

The aim is for **Installation Personas** to be ultimately maintained and remain current using installation metadata and 'non sensitive' configuration details extracted through Dataverse APIs. Standardised metadata will be accessible by database, visualisation, and mapping tools to build the interface based on FAIR data principles [2], to ensure the most benefits to the community.

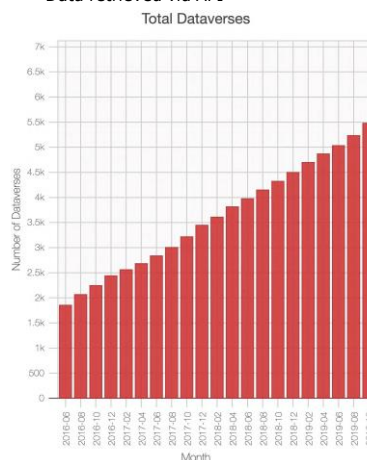
CHARACTERISTICS THAT DEFINE INSTALLATION PERSONAS

- **Access Policies:** Open (Harvesting), Conditional, Restricted
- **Scope:** Single-tenant, Multi-tenant
- **Code:** Base code, Custom code
- **Storage:** Local, Cloud, Compute/cloud (Reproducibility), Big data, Encrypted data
- **Authentication:** local, remote
- **Data Types:** Qualitative, Quantitative, Derived, Machine-output, Geospatial
- **Curation:** Self-publish, Self-deposit only, Archive services
- **Deposit:** Open, Mediated, Institutional

Dataverse Installations
Created using Google Maps



Total Dataverses V4.9+
Data retrieved via API



EXAMPLES OF PERSONA TYPES

BY INSTALLATION

- ADA Dataverse**
- Access: Restricted, conditional
 - Scope: Single-tenant
 - Code: Custom
 - Storage: Local
 - Authentication: Local
 - Data types: Qual, Quant, Derived
 - Curation: Self-deposit, Archive
 - Deposit: Mediated

- Harvard Dataverse**
- Access: Conditional
 - Scope: Single-tenant
 - Code: Base
 - Storage: Cloud
 - Authentication: Local and Remote
 - Data types: All
 - Curation: Self-publish, Archive
 - Deposit: Open

- SGrid Dataverse**
- Access: Open
 - Scope: Single-tenant
 - Code: Custom
 - Storage: Big data
 - Authentication: Remote
 - Data types: Machine-output
 - Curation: Self-deposit
 - Deposit: Mediated

- Scholars Portal Dataverse**
- Access: All
 - Scope: Single-tenant
 - Code: Custom
 - Storage: Local
 - Authentication: Local
 - Data types: All
 - Curation: All
 - Deposit: Institutional

FAIR Data Principles

Findable
Rich configuration, access policy, and data type metadata described by standardised vocabularies agreed by the community and findable through the 'Installation Persona Interface', and internet web searches.

Accessible
Configuration and policy implementation materials made available through the hosting institution after being located by the Installation Persona Interface.

Interoperable
Community standardised vocabularies and metadata describe 'Installation Personas' to enable navigation, search and visualisation by the Installation Persona interface.

Reusable
Standardised configurations and materials shared and made findable, accessible and interoperable through the Installation Persona interface.