



THE PATH TO DATA GOVERNANCE AT UC

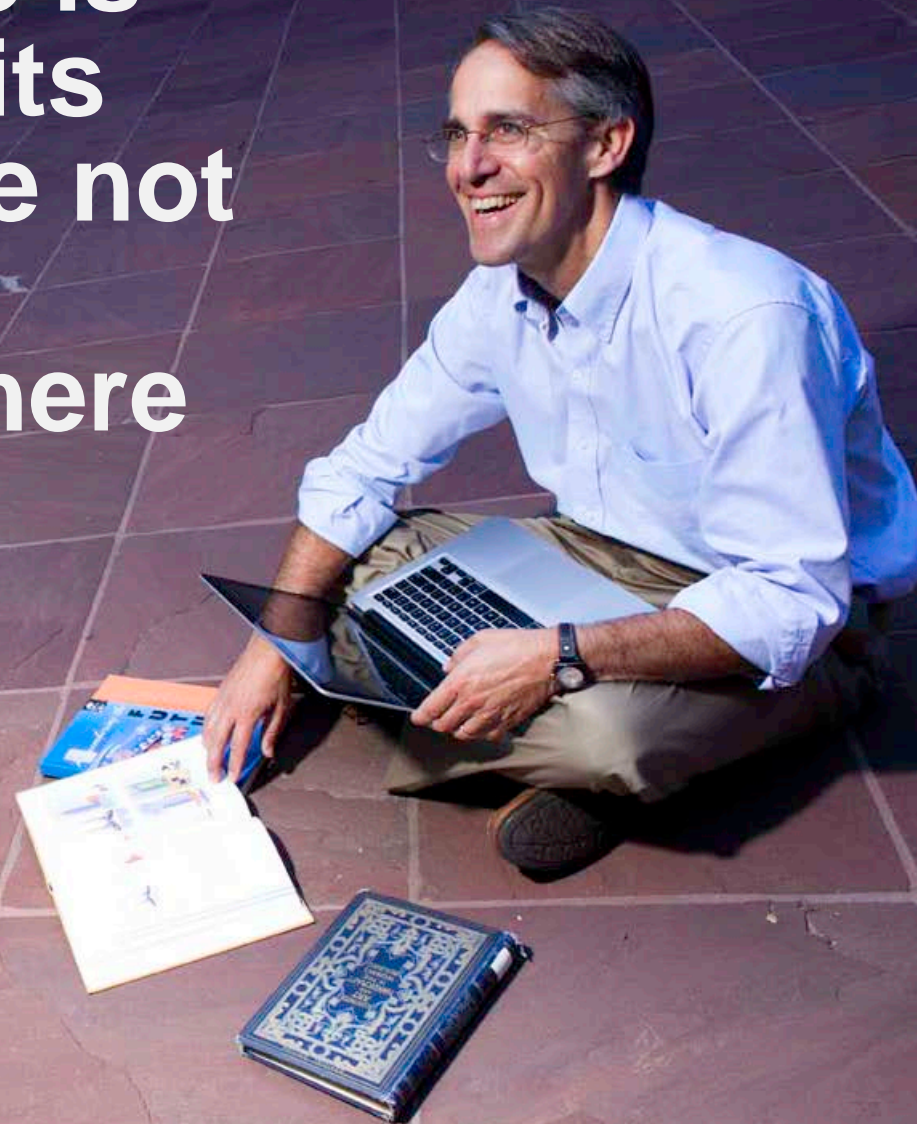
Presented By
UCLA IR

&

UC Office of the President IRAP

“Data Governance is like the speed limits on roads. They are not there to slow you down – they are there to make the road safer.”

ANONYMOUS



Session Outcomes

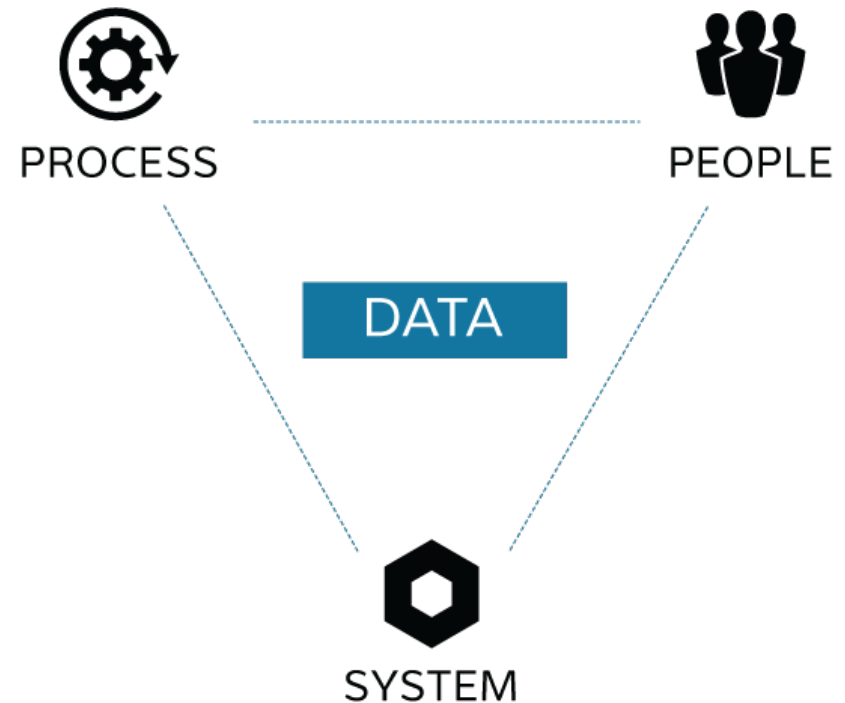
- **Takeaways from session:**
 - Understanding What Data Governance Means
 - Grasping the Importance of Data Governance
 - UC's Data Governance Journey
 - UCOP
 - Requirements & Code Management
 - Data Operations Hub
 - UCLA
 - Database Operations & Security



- Where is this data coming from?
- How do we fix this data to get the correct calculations?
- What kind of access do they have?
- Where do I go in the organization to get this data?
- Who has access to our data?
 - The budget department has a different set of numbers. Which one is correct?

What is Data Governance?

- **Involves three main components:**
 - People
 - System/Technology
 - Processes
- The exercise of decision making and authority for data related matters.
- Processes for governing how data is used, when data is used and by whom.





“Being able to demonstrate effective ownership and stewardship of data elements is the key to data governance.”

NATHAN SNYDER

Importance of Data Governance

- **Why should I care about data governance?**
 - Reduction in costs and operational effectiveness
 - Data consistency, reliability and repeatability
 - Compliance and avoidance of fines
 - Improved confidence and clarity
 - Reduced analysis and reporting issues



Data Governance at UCOP IRAP



UNIVERSITY OF CALIFORNIA

Requirements and Code Management & Data
Steward Support

UNIVERSITY
OF
CALIFORNIA

UCOP's Data Governance Plan

- Our data governance plan involved the following:
 - Proper definition of data at all levels – **DEFINE**
 - Clarifying and defining data user profiles - **PROFILE**
 - Standardizing the use of data and data transformations – **STANDARDIZE**
 - Ongoing monitoring of data usage and quality – **MEASURE**
 - Ongoing audit of data access and usage – **MONITOR**





Simpler can be harder than complex: You have to work hard to get your thinking clean to make it simple. But it's worth it in the end because once you get there, you can move mountains.

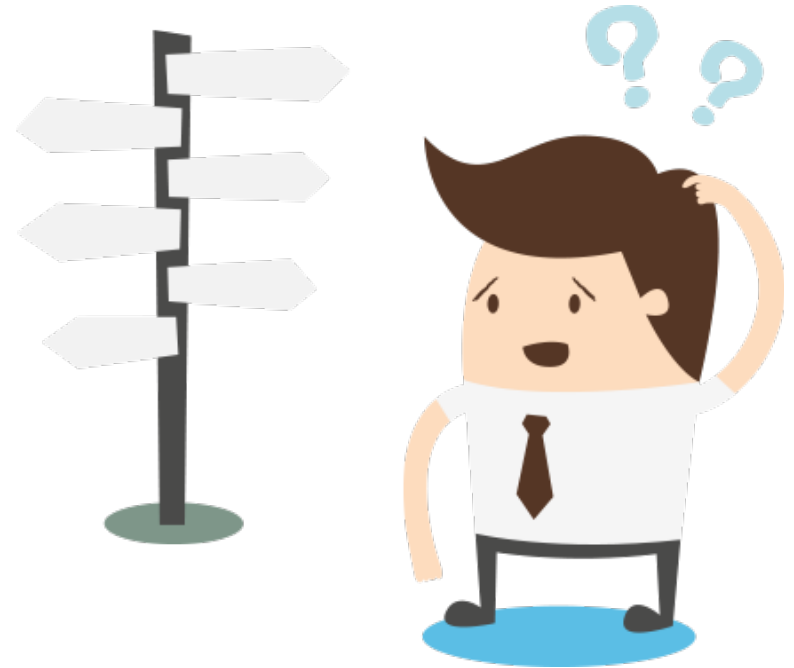
What is Atlassian JIRA?

- Developed by Australian company, Atlassian
- Licensed software
- Cloud-based
- Web-based
- Issue tracker
- Project management
- Requirements management



Why IRAP Chose JIRA?

- End to end requirements tracking
- Better visibility to projects
- Data issue management
- Document and Asset Management
- Customizable workflow
- Improved testing and validation



How Do We Use JIRA?

- Requirements Management
- Code Management



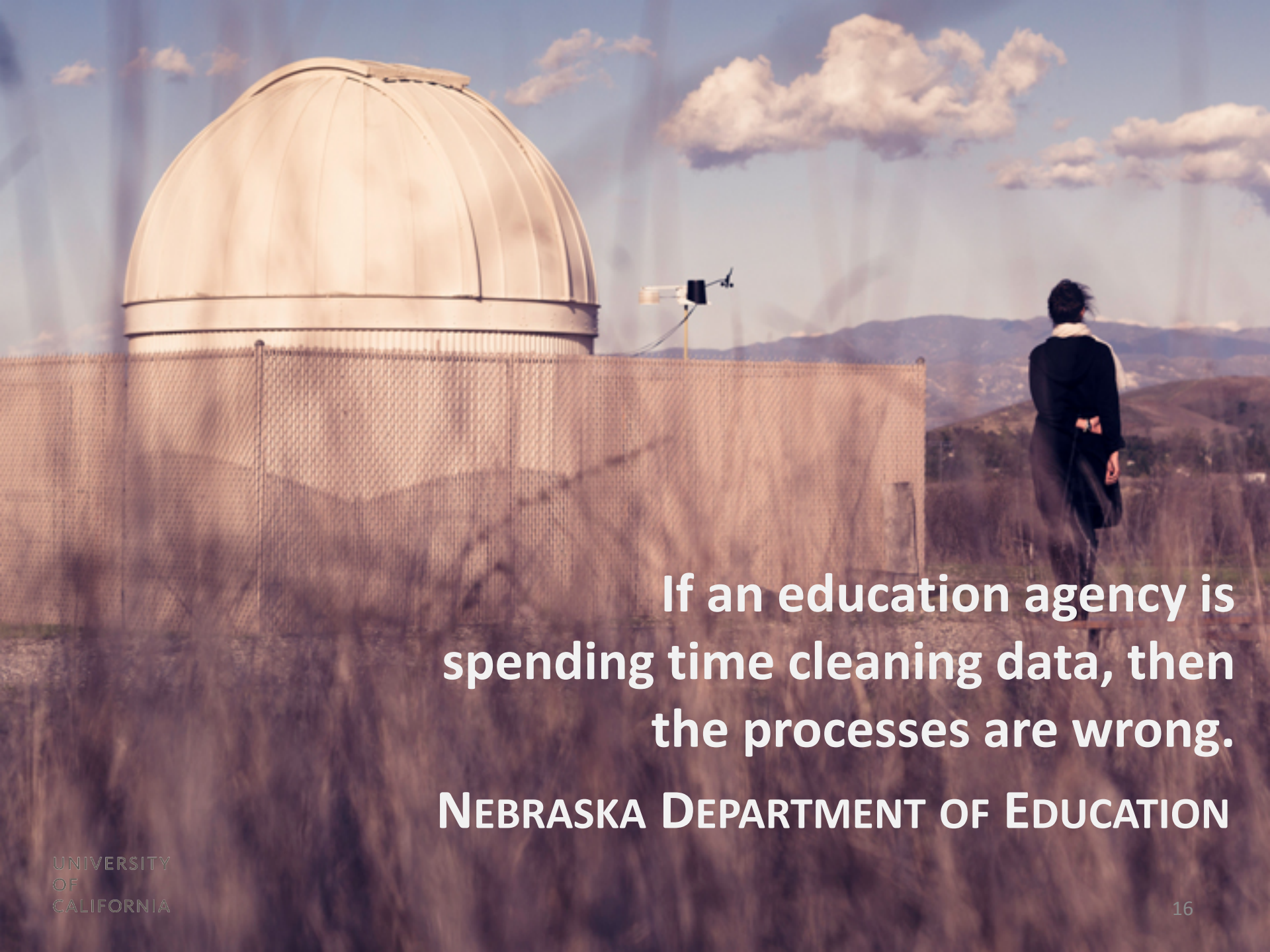
JIRA & Requirements Management

- Improved collaboration
- Easy organization of IRAP projects
- Easy requirements tracking and management
- Improved requirements validation
- Ability to prioritize requirements based on business needs
- Enables intelligent project scoping



IRAP JIRA Quick Demo





**If an education agency is
spending time cleaning data, then
the processes are wrong.**

NEBRASKA DEPARTMENT OF EDUCATION

The Data Operations Hub

- Online repository for all things data
- File Specifications
- File Submission Deadlines
- Data Releases
- Data Dictionaries
- Code Tables
- Visa Codes



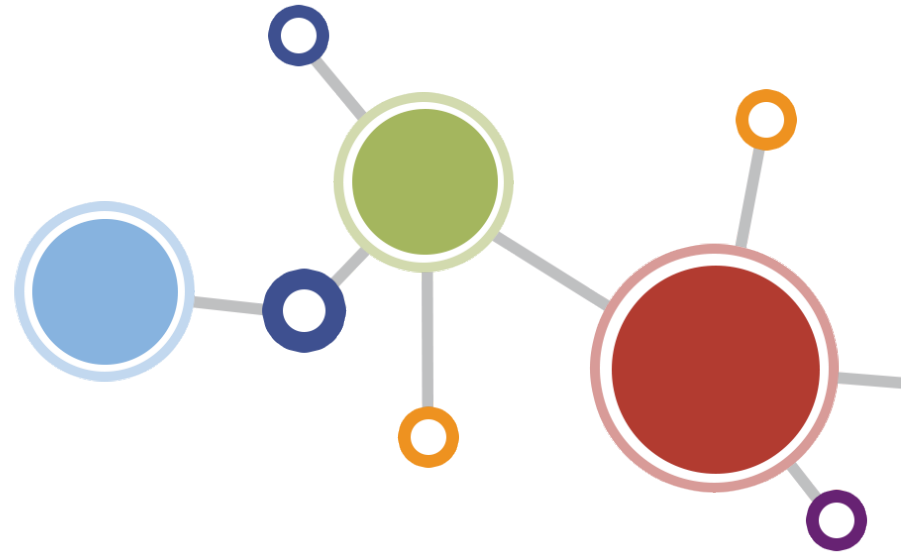
JIRA & Code Management

- Enables standardization
- Code certification
- Code reuse
- Consistency and reliability
- Training and extending staff expertise
- Improves efficiency



Benefits of the Data Hub

- Centralization of all data related artefacts
- One-stop shop on all announcements related to data systems
- Essential communication tool to all data stewards

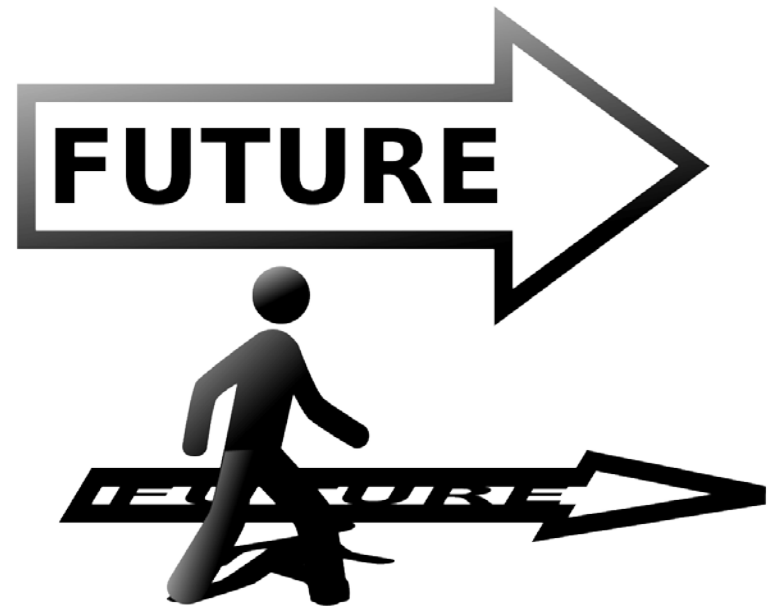


IRAP Data Operations Hub



UCOP IRAP's Future Plans

- Online Data Dictionary
- Online Data Glossary
- Fully Integrated Data Validation Framework



Data Governance at UCLA IR



SQL Database, CSS Submissions & Data Steward Support

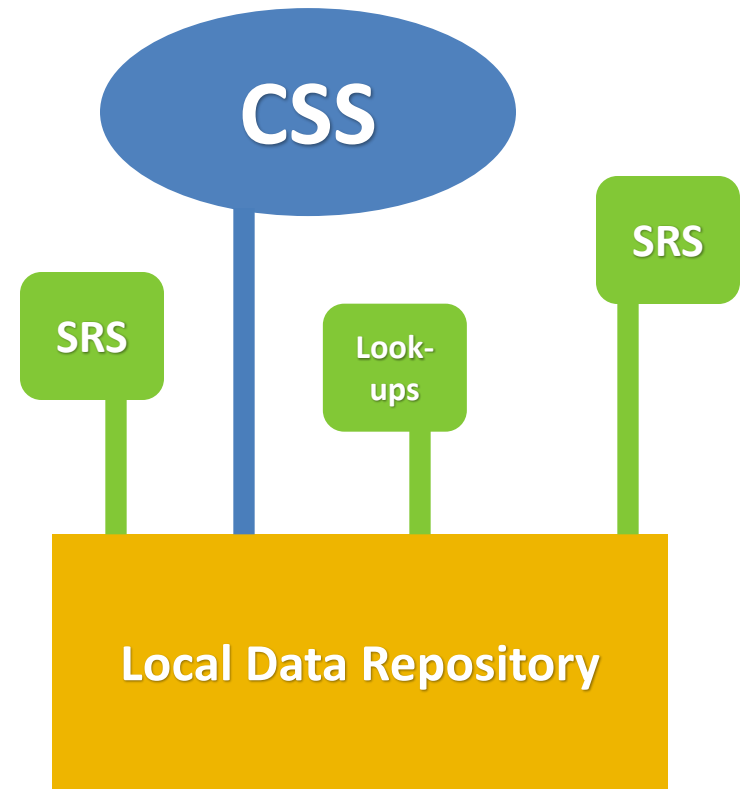
Data Governance in UCLA IR

- Database Operations Management
- Data Security Management

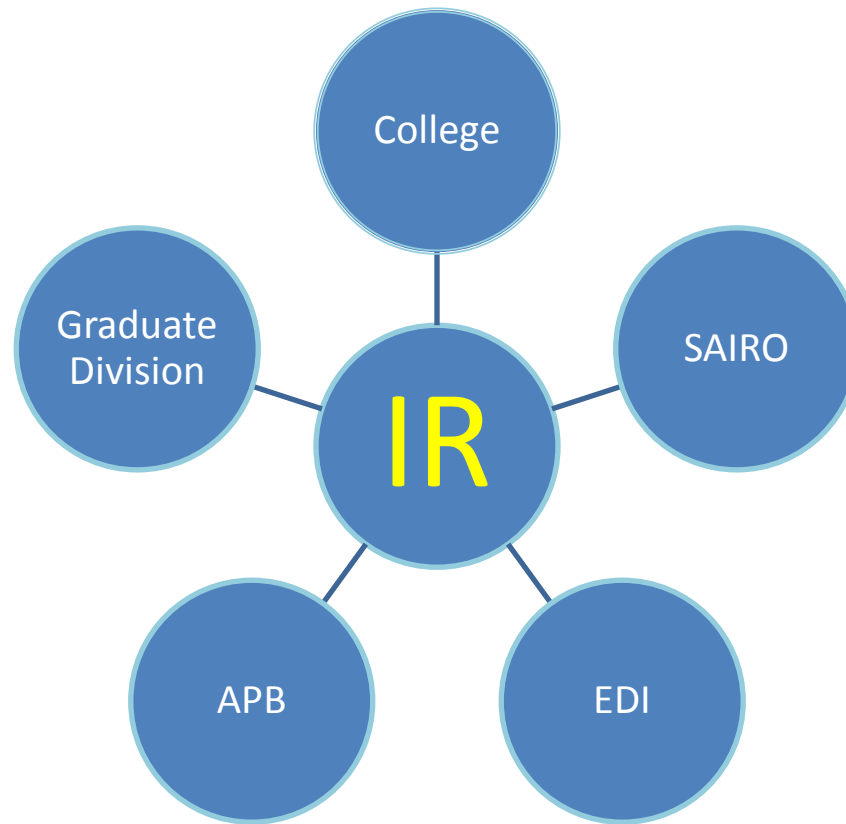


Our Data Narrative Becomes Our Data Governance Story...

- Use of CSS submission files as basis for official reporting
- Use of student records system data for additional details
- Use of definitions inherited from submissions, unless local definition is preferred

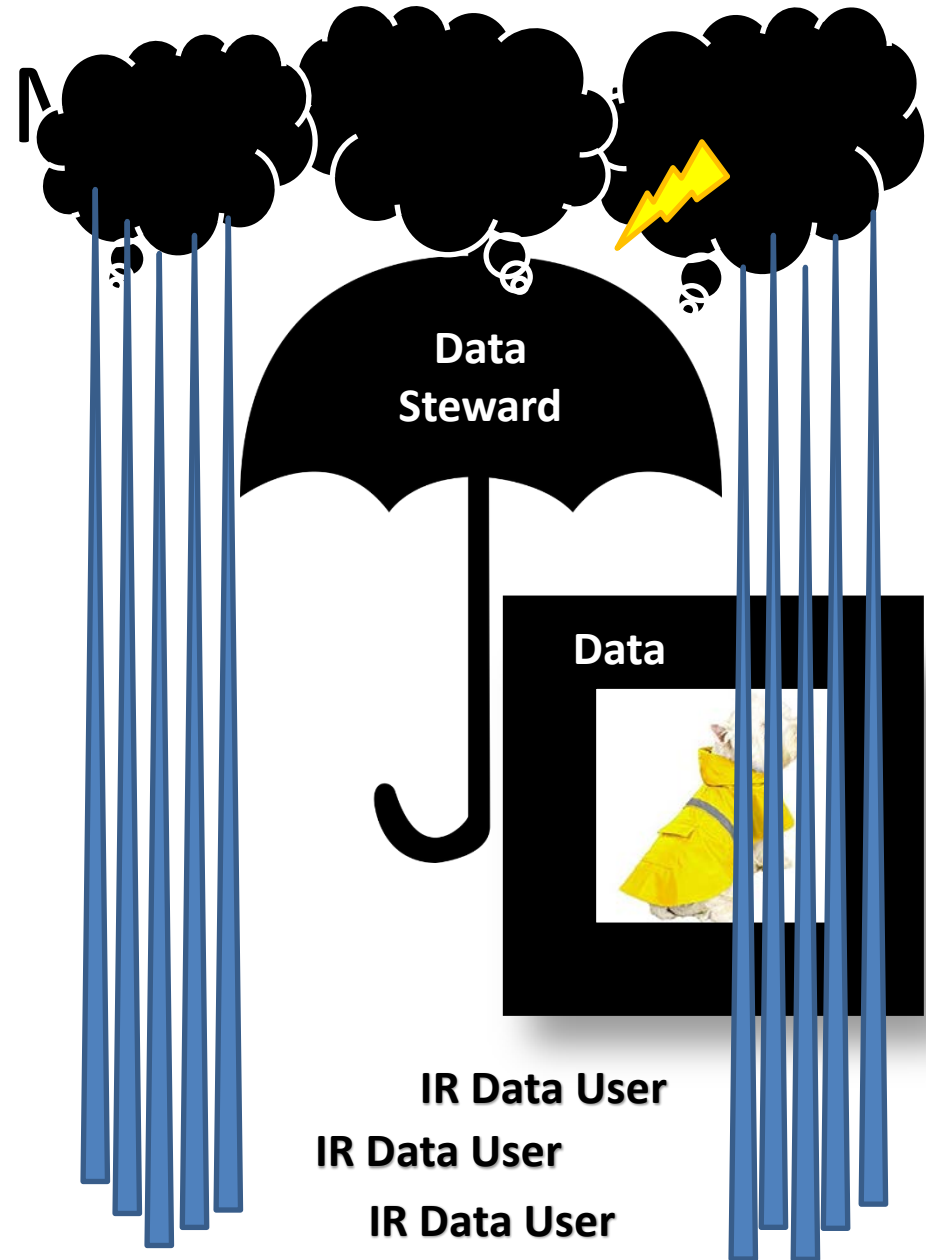


Institutional Research at UCLA Is a Distributed and Networked Function



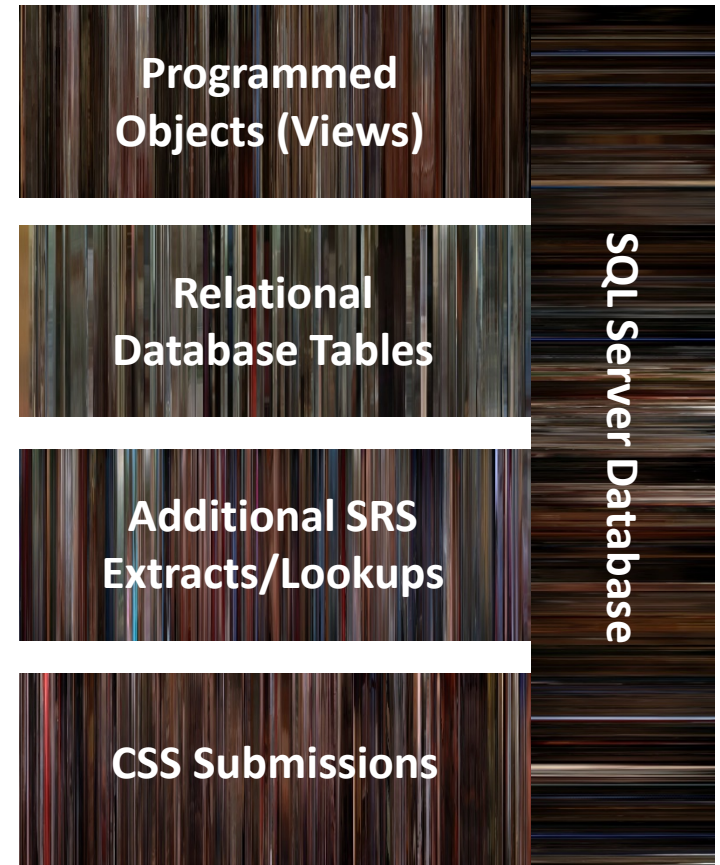
Data Security M

- Our data access policy regarding the IR data is established by the student information data steward (our Registrar).
- If you can access the student records system for IR purposes, you can access the IR database.



Database Operations Management

- The foundation of our database operations management process is the CSS file submission process.
- We maintain the database in an IR office.



The End



Data Governance at UCOP IRAP and UCLA IR

