



About the Presenters



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Agenda

- DataND Platform
- Data Governance
- Finance Project



| dataND

The analytics portal powering Notre Dame



What is DataND?

DataND is the brand for our EDW and data portal

- Provides governed data to campus users
- Search for the data you need
- Share key metrics that answer common questions
- Make data definitions available

ND Data Map



(aligns business and data perspectives)



Who are the users?

Targeti<u>ng</u>

4,000+

Staff & Faculty



Triangle of Justice



NUMBER OF USERS





DOMAIN KNOWLEDGE & TECHNICAL EXPERTISE

dataND Key Features



1

Reports

Just give me the answer



2

Datasets

Show me the data and let me explore it



3

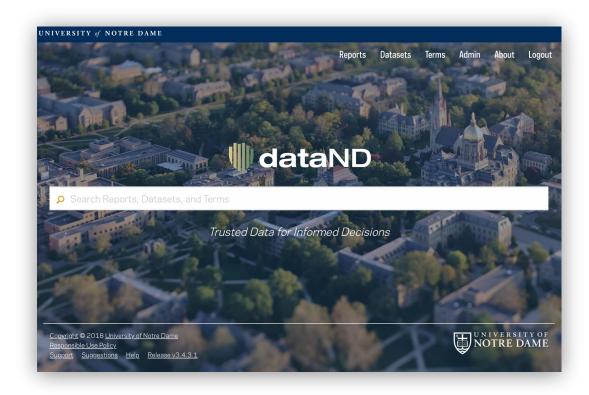
Data Dictionary

Tie it all together, create a common language, and increase report clarity





Demo





Data Governance



















Inconsistent results

 Simple questions yield different answers, depending on how you ask

Result: No one trusts the answers they get



What Is Data Governance?

Data Governance is the process of establishing and managing information about the data generated, collected and used by the University.

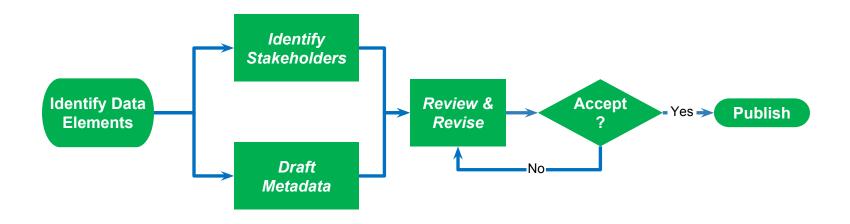
It defines and ensures a common and consistent understanding of:

- Data term definitions
- For when the data is available
- How data should be handled (Sensitivity Classification)
- Who may have access to data elements (Access Designation)



ND Data Governance Process









Sensitivity and Access

Access Designation

Risk of damage increases and becomes more severe **Sensitivity Classification**

		7100033 Bosignation	
		Unrestricted	Restricted
•	Public	✓	X
	Internal	✓	✓
	Sensitive	X	✓
	Highly Sensitive	X	✓

Need for skill, experience and responsibility increases





Access to Data

Instead of asking: "Is there an immediate and obvious business need for this person to access this information?"

Ask instead: "Will any serious damage happen to the institution (via reputation or operation) if this person accesses this information?"

Drama ≠ Damage

- David Bailey



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Guiding Principles

- Presume trust
- Restrict only when clear risk of significant harm
- Misinterpretation and discovery of inaccurate or incomplete data is not significant harm
- Periodic acknowledgment of appropriate use policies
- Train and certify

- Monitor and audit access
- Information used outside the University must be appropriately vetted
- Access to personally identifiable student data must have legitimate educational purpose
- Public-source data should be accessible to all



ND Data Map



(aligns business and data perspectives)





Finance Project

The Problem



- Lack of common understanding
 Key requirement to address data definitions and its use
- Finance data alone is not enough
 Significant value can be derived when you combine data domains



Sharing data is hard Data for the people, by the people, to the people





Establishing a common understanding

Establishing a common understanding



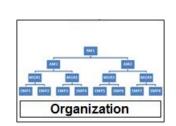
Defining finance terms

Using Finance Organization Hierarchy

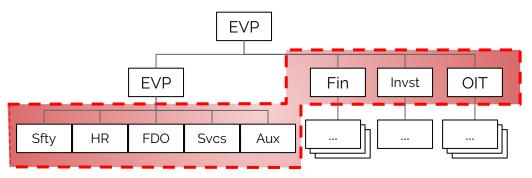


Governance Challenges

Inconsistent roll-ups = inconsistent data



Hierarchy levels create inconsistent aggregation





2

Finance data alone is not enough

Finance data alone is not enough

HR SPACE

FINANCE

STUDENT

STUDENT



Examples

- For my college, can you tell me the endowment market value and the restrictions on the endowment funds?
- Why does building X cost more to maintain than building Y?
- Can you show me a breakdown of headcount and labor costs over time?



3

Sharing data is hard



Sharing data is hard - Current



















Sharing data is easier - Future





Finance Project



Key Objectives

Make Finance data ERP agnostic

Allow for data blending with other domains



Finance Core Data

Migrated to EDW:

- → Encumbrance
- → Endowment
- → General Ledger
- → Grant Ledger
- → Operating Ledger
- → Transaction History
- → Vendor

Pending:

- Budget Detail
- ☐ Fixed Asset
- ☐ Grant & Project
- □ Invoice
- Purchasing
- Positions



Team

- Executive Support
 - EVP & Provost Office
 - Finance Leadership
- Project Team
 - BI professionals (technical)
 - Application Developers (technical)
 - Subject Matter Experts (functional)



Conclusion

One Stop Shopping

₩.

For Finance & University data



Search for reports, data sets, or definitions



Share metrics, dashboards, and reports



Answer ad-hoc questions



Download datasets



Easier to find data

2 Improved Security & Access

3 Increased Report Clarity

More Delighters

"dataND will allow us to spend less time on finding and extracting data and more time on analyzing and understanding its implications."



Questions?

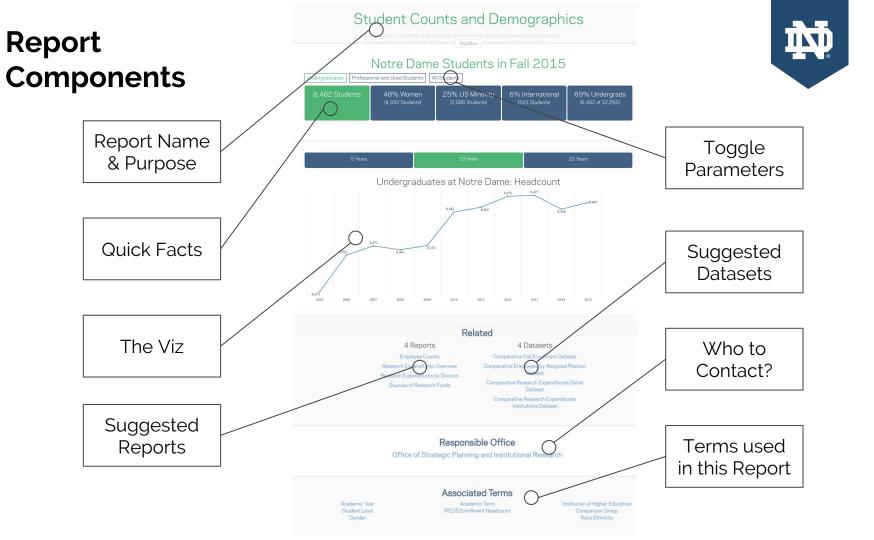


APPENDIX





Reports







Datasets

Building List Datasets EXCEL 4 TABLEAU . Components Preview 5 of 189 rows Building Common Mame Building Official Name Building Primary Purpose Building Ownership Status Building Original Architect Building Gross Area Building Number Download to Sorin and Bro. Francis Patios, CSC Dataset Name & Old College Main Campus RELIGIOUS Not Owned 5425.0 Tableau or Occupied Over a year -86.242368 null Domestic Purpose Excel Columba Main Campus A. O. Herbulis null Domestic RELIGIOUS Not Owned 45527.0 1002 Occupied Over a year | -86.2422215 | 41.70 Sorin and Bro Francis Patois, CSC 1855-Occupied 7-9 Brownson null Domestic ACADEMIC Owned 47985.0 1003 86.239576 41.70 Edward Sorn and Brother Francis Patois Domestic Main Campus ACADEMIC Owned Occupied Over a year -86.2396085 41.70 8575.0 1005 Domestic Main Campus RELIGIOUS Not Owned William Presbytery null 9338.0 1006 Occupied Over a year -86.2400265 41.70 Who to **Data Preview** Contact? Responsible Office University Facilities Information Suggested Suggested Related Datasets Reports 2 Reports 2 Datasets Buildings and Space - Building Information Assignable Space and Employee Office Occupancy Buildings and Space - Assignable Space Building Assignable Sp Terms used in **Associated Terms** this dataset Building Status Building Ownership Status Building Region **Building Primary Purpose Building Original Architect** Building Data Verification Date Range

Building Common Name

Building Official Name

Building Geographic Location

Building Number

Building Gross Area

Building Date Built





Data Dictionary

