What do (some) data governors do all day?

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Data Governance

DG is the formalizing of behavior around the definition, production and usage of data to manage risk and improve the quality and usability of the selected data.*

*As the quality and the usability enables more efficient and effective operational processes and strategic decisions

Non-Invasive Data Governance, Robert Seiner, TDAN
Today’s questions

Q1: What are we trying to do?

Q2: Who’s involved?
What do they do (and why)?

Q3: How does technology fit in?
Premise: Everyone is different

Organizations: Needs, resources, culture

DG programs: Priorities, roles, processes

Data Governors, Steward(esse)s
Background: DG at Stanford

Primary driver:
Integrated BI reporting program

⇒ ~1 central FTE for DG

Tensions:
- Program vs. project orientation
- Central vs. local ownership
- Formal structure vs. DIY
Q1: What are we trying to do?

Stanford University Data Stewardship

SUDS-XXX mission and goals

Mission: In partnership with central units and the campus community, this committee is dedicated to providing the XXX metadata infrastructure to support improved decision-making, ensure information integrity, build data knowledge, and meet compliance requirements university-wide, enabling our partners to excel at teaching, learning and research.
Q2: Who’s involved? What do they do?

Data Stewardship Coordinator (0.8 FTE)
Data Stewardship Analyst (0.5 FTE)

Chief Data Stewards: FIN, HR, STU, SPO

Chief Data Stewards:
Provide oversight, leadership, and signoff on all subject area stewardship activities.
Identify relevant stakeholders, on a topic-by-topic basis, within and across subject areas.
Participate in establishing stewardship standards and processes as part of SUDS-SC.
Serve as liaison with stakeholders and SMEs as needed.

...and whoever else we need to get things done
Interlude: KFP’s backstory

Institutional Research & Decision Support

Kathryn Flack
The Sources of Phonological Markedness
Q2: Who’s involved? What do they do?

Make SUDS happen

- Set project scope, goals, schedule
- Gather (the right) people
- Articulate immediate next steps
- Engage closely with content development
- Make sure things move forward
- Make sure participants feel appreciated, and like things are moving forward
Q2: Who’s involved? What do they do?

Standards, best practices, documentation

<table>
<thead>
<tr>
<th>Non-Standard Name</th>
<th>Standardized Name</th>
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<tbody>
<tr>
<td>Initial Submission</td>
<td>Purchase Order Initial Submission Date</td>
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<table>
<thead>
<tr>
<th>Required Term</th>
<th>Function</th>
<th>Example</th>
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<tbody>
<tr>
<td>Entity Name</td>
<td>What person, place, thing, or concept are we interested in?</td>
<td>Student, Employee, Award</td>
</tr>
<tr>
<td>Attribute Name</td>
<td>What property of this entity are we interested in?</td>
<td>Student Status, Employee Type, AwardPurpose</td>
</tr>
<tr>
<td>Class Word</td>
<td>What type of data about this attribute is being presented?</td>
<td>Name, Indicator, Code</td>
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</tbody>
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Q2: Who’s involved? What do they do?

Side projects
(see http://irds.stanford.edu/maps)
Q2: Who was involved? What did they do?

Data Governor #1

- Outreach, awareness
- “Here are things we could do. What would help?”
Q2: Who was involved? What did they do?

DGer #1: “How about this stuff?”

- Data quality, profiling, root cause analysis, impact assessment
- Data lineage; source system overviews
- Policy: Ownership, access, usage
Q2: Who was involved? What did they do?

DGer #1: Data Governance Maturity Model
Q2: Who was involved? What did they do?

Data Governor #2

- Top-down roles and structures
- Metadata management tool selection
Q3: How does technology fit in?

We don’t need specialized tools.

But they are really, really useful.
Q3: How does technology fit in?

Robust (yet flexible) metadata structures!

→ Decreased SME training

→ Increased consistency and quality

→ Massively easier to update, maintain, assess, and use

→ Adaptable as needs evolve over time
Q3: How does technology fit in?

Manual processes can be automated!
Q3: How does technology fit in?

Metadata is more visible and credible!
Q3: How does technology fit in?

Broad engagement is less scary, more effective, and more rewarding.
Questions?

DICK DISCOVERS WHY IT'S NOT ALWAYS EASY BEING A BUSINESS ANALYST

SO I UNDERSTAND YOU NEED A HORSE.

THAT'S RIGHT, A HORSE. RIGHT AWAY.

BUT YOU DON'T NEED TO RIDE IT.

OF COURSE NOT. I SAID I NEED A HORSE.

AND IT SHOULD HAVE HORNS, AND YOU'RE GOING TO NEED TO MILK IT.

WHAT ARE YOU, A HALFWIT? WHAT ELSE WOULD I DO WITH A HORSE?

I'LL SEE WHAT I CAN DO.