

Data Value 2018: Introduction

Defining Data Value and Goals for the Data Value Community

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Goals for this Workshop

Discussion: Exploring What is Data Value?

Ongoing Data Value Research at the ADAPT Centre

Brainstorm: Open Challenges in Data Value Research

Building our Data Value Community

Introducing our Keynote



- Build an international community of data value researchers and practitioners
- Start a dialog on data value challenges, methods, tools and definitions
- Present new research on data value

=> **Please interrupt**, make the sessions interactive!



- **Good news!** There is no consensus on a definition of data value.
- We think:
 - Data value is complex, multi-dimensional & contextual
 - Quantitative data value research is immature
 - No standardised models

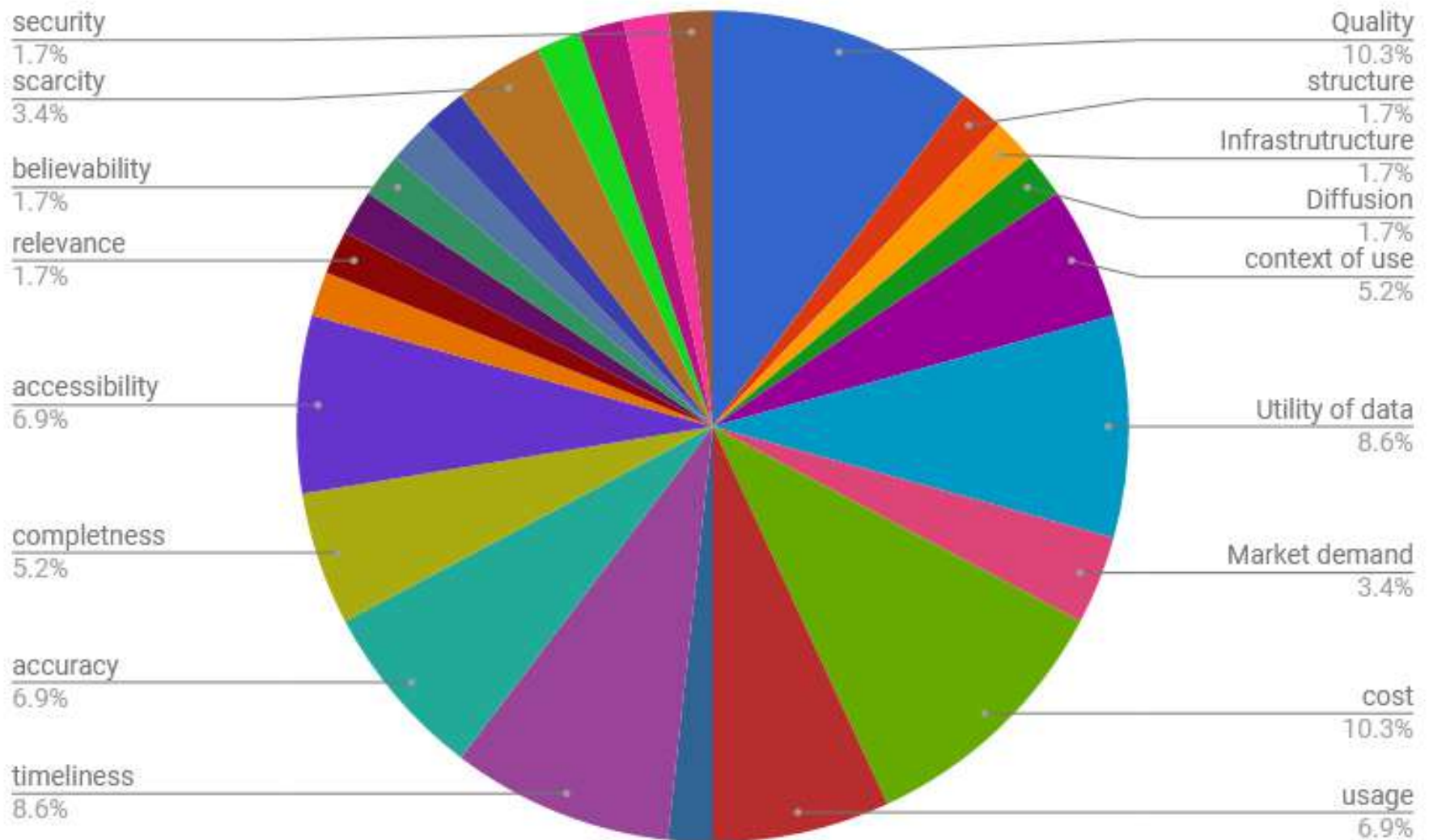


- Please take this quick anonymous survey to find out!
<https://goo.gl/forms/LqfNCKPj0B9u10zE3>
- It focuses on 5 dimensions
 - Costs incurred through loss
 - Rebuilding costs
 - Market value
 - Legislative obligations
 - Timeliness
- What did the survey make you think about your data?
- Based on the work of Sajko et al.¹

1. M. Sajko, K. Rabuzin i M. Bača, "HOW TO CALCULATE INFORMATION VALUE FOR EFFECTIVE SECURITY RISK ASSESSMENT", *Journal of Information and Organizational Sciences*, vol.30, br. 2, str. 263-278, prosinac 2006



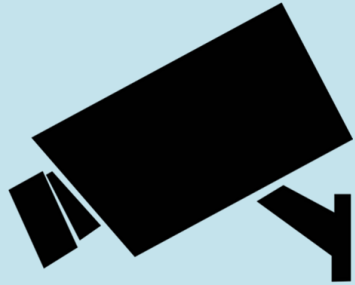
Data Value Dimensions in the Literature



Data value dimensions, from a 27 paper survey – R. Brennan and J. Attard



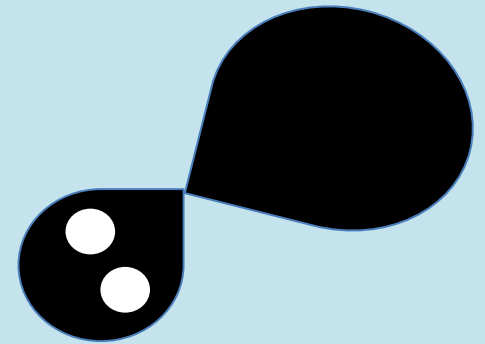
Data Value Monitoring



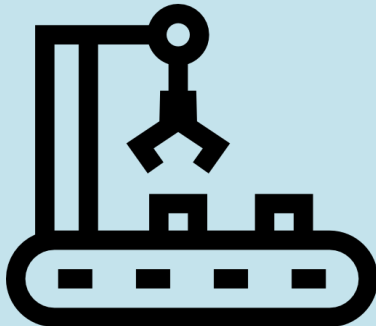
Curating Data



Mergers and Acquisitions



Data Management
Automation



Data Governance
based on Data Value



What about you?

- Modelling data value¹
- End-to-end data value monitoring
- Capability Maturity Models for data value²
- Decision support tools for data value networks³
- Manual data value assessment techniques

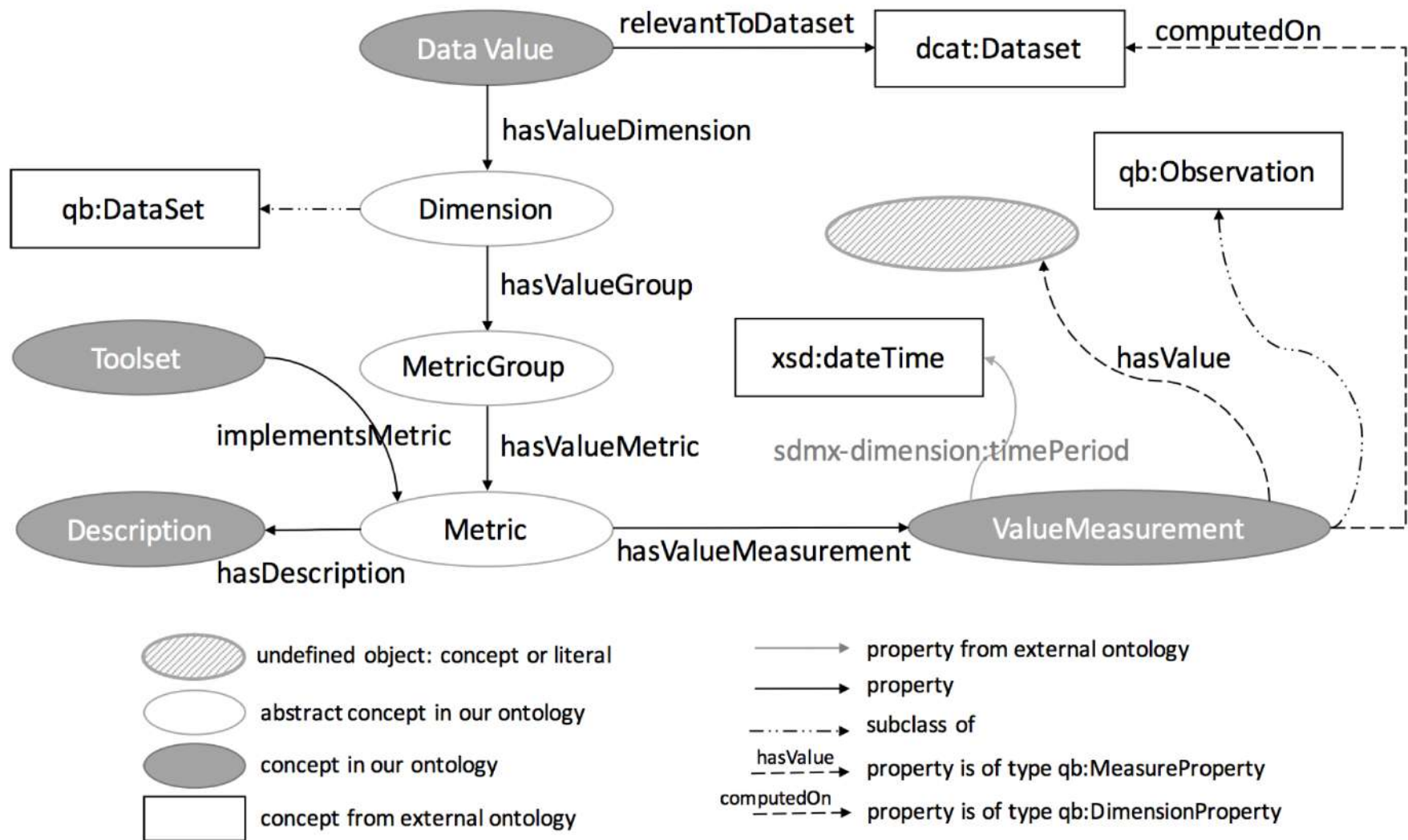
1 Judie Attard, Rob Brennan, *A Semantic Data Value Vocabulary Supporting Data Value Assessment and Measurement Integration*.

Proceedings of the 20th International Conference on Enterprise Information Systems, ICEIS 2018

2. Rob Brennan, Judie Attard and Markus Helfurt, Management of Data Value Chains, a Value Monitoring Capability Maturity Model, *ICDIS* 2018

3. Attard, J., Orlandi, F., & Auer, S. (2017). Exploiting the value of data through data value networks.





1. Measurement

- What metrics do we use to measure value?
- What units should we use to measure value?
- How can we convert between them?
- Can we combine metrics to create valuations?

2. Bridging the ICT and Business worlds

- How do we prioritise data value dimensions to create value profiles?
- Can we estimate utility to a business?
- How to integrate data value into governance systems?
- Developing business capabilities based on value

3. What Else?



- Thanks to our program committee:

Prof. Giovanni Schiuma, University of Basilicata, Italy

Prof. Ismael Caballero, Universidad of Castilla La Mancha (UCLM), Spain

Dr. Paul Brous, Legend Data Management, The Netherlands

Prof. Dr. Boris Otto, Technische Universität Dortmund, Germany

Dr. James Short, University of California, San Diego, USA

Dr. Daniela Carlucci, University of Basilicata, Italy

Dr. Tadhg Nagle, University of College Cork, Ireland

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Dr. Gianluigi Viscusi, EPFL, Italy

Mr. Milan Dojcinovski, Leipzig University, InfAI, Germany

Dr. Brendan Jennings, WIT, Ireland

Dr. Alan Meehan, ADAPT, TCD, Ireland

Dr. Riikka Vilminko-Heikkinen, Gofore Oy, Finland

Mr. Christian Dirschl, Wolters Kluwer, Germany

Prof. Brian McNamee, UCD, Ireland

- Join our DataValue LinkedIn group
(<https://www.linkedin.com/groups/13606759>)



4th Dec 2018

CT 2018 Networking session in Vienna: Driving Digital Transformation – The need for Governing Data Value

<https://ec.europa.eu/digital-single-market/en/news/attend-ict-2018>

Looking for founding partners for a EC COST Action

29th Feb 2019

5th International Workshop on Information Value Management - Challenges in an Area of Digitalisation and Big Data.

<http://www.iceis.org/Workshops.aspx#IVM>

Submissions deadline: 26th Dec 2018

Sept 2019

Data Value 2019

Anything else?





Stijn Christiaens, Founder and CTO of Collibra

