

Metric or measure properties*

Property	Definition
Name	Identifier for the metric or measure.
Definition	Concise description of what is being measured.
Notes (optional)	Further description or other information (if needed).
Scale (Measure)	What quantity is being measured (specify units and uncertainty)?
Meter (Measurement Method)	How, when, where, and by whom are measurements taken?

* Derived from the work of Tom Gilb: <http://www.gilb.com>



The 9 +1 Properties of Usable Datasets



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 Orig. idea 2011, P.Kromer]

Property	Description	Notes	Scale	Meter
DATASET DISCOVERY PROPERTIES				
1. Findable	Dataset existence can be discovered or found.	By Internet search and navigation, or ?	Internet search rank result from Google, Bing, or ...	Rank in organic search results.
2. Obtainable	Dataset can be accessed (online or ...)	ONLINE access: ftp, http, scp, torrent. OFFLINE: by post, ILL, in person pick- up.	If ONLINE then what protocol and URI Else OFFLINE	[wget curl] URL returns dataset or package containing the dataset.
3. README	Minimal README contains contact information. (Alternative: Data citation LANDING PAGE URL.)	E-mail, telephone, or postal address	README available, Y or N.	README content: Contact info; dataset description; ...
DATASET STRUCTURE PROPERTIES				
4. Fields identified	Dataset has an identifiable structure and distinct fields.	Identifiable def.: able to be distinguished, recognizable.	Y or N	What is dataset structure (table, graph, ...)?
5. Fields labeled	Dataset fields have given labels.	Do field labels (names) have descriptions?	Y or N	Schema or data dictionary (URL?).
6. Data typed	Dataset content types specified (e.g., number, string, etc.)	Are content types defined? Standards?	Y or N	Data type specification (URL?).
DATA DESCRIPTION PROPERTIES				
7. Data attributes	Descriptive properties of the data content.	Data raw or processed from instruments, field observations, hearsay, etc. Data quality metrics available?	Y or N	Data attribute definitions and values (URLs?).
8. Agent attributes	Origin and maintenance of the data, provenance information, reputation of providers.	What are useful measures for these attributes?	Y or N	Agent attribute definitions and values (URLs?).
9. Concept attributes	Data described in terms of concepts from controlled vocabs and ontologies.	What are useful measures of vocab or ontology quality?	Y or N	Ontology and vocabulary URLs.
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