

The Semantic Data Dictionary-An Approach for Describing and Annotating Data

	<p>Semantic data dictionary: specification formalizing assignment of semantic representation of data</p> <ul style="list-style-type: none">-Promotes discovery, interoperability, reuse, traceability, reproducibility-The use of ordinary column names is arbitrary; a standard via schema.org is more pragmatic-Supports only tabular data <p>Formal semantics: established meanings for terms within standards like RO-crate or JSON-LD</p>
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The need for a semantic data dictionary is dire, as researchers need a way to standardize their data tables in ways for any scientist to quickly and feasibly understand without excess format learning.