Evaluation of IEEE VIS Source Data (IEEE-VIS) RDF Data Sets

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 ${\bf Abstract.}\,$ Evaluation of IEEE VIS Source Data (IEEE-VIS) RDF Data Sets

Keywords: RDF Validation, RDF Constraints, DDI-RDF Discovery Vocabulary, Disco, RDF Data Cube Vocabulary, Linked Data, Semantic Web

1 Data Model Consistency

	Constraints										
Data Sets	DATA-MODEL-CONSISTENCY-01	DATA-MODEL-CONSISTENCY-02	DATA-MODEL-CONSISTENCY-03	DATA-MODEL-CONSISTENCY-04	DATA-MODEL-CONSISTENCY-05	DATA-MODEL-CONSISTENCY-06	DATA-MODEL-CONSISTENCY-07	DATA-MODEL-CONSISTENCY-08	DATA-MODEL-CONSISTENCY-09	DATA-MODEL-CONSISTENCY-10 (!)	$\mid DATA-MODEL-CONSISTENCY-11$
http://ieeevis.tw.rpi.edu/sparql	<u> </u>	-	<u> </u>								

Table 1: Evaluation of http://ieeevis.tw.rpi.edu/sparql

2 Existential Quantifications

Constraint
EXISTENTIAL-QUANTIFICATIONS-01 EXISTENTIAL-QUANTIFICATIONS-02 EXISTENTIAL-QUANTIFICATIONS-03 EXISTENTIAL-QUANTIFICATIONS-04

Table 2: Evaluation of http://ieeevis.tw.rpi.edu/sparql

3 Cardinality Restrictions

	Constraints
Oata Sets	MINIMUM-QUALIFIED-CARDINALITY-RESTRICTIONS-02 MAXIMUM-QUALIFIED-CARDINALITY-RESTRICTIONS-01 EXACT-UNQUALIFIED-CARDINALITY-RESTRICTIONS-01 EXACT-QUALIFIED-CARDINALITY-RESTRICTIONS-02
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Table 3: Evaluation of http://ieeevis.tw.rpi.edu/sparql

4 Structure

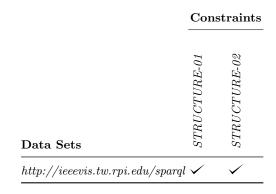


Table 4: Evaluation of http://ieeevis.tw.rpi.edu/sparql

5 Further Constraints