Evaluation of the UNESCO Institute for Statistics (UIS) RDF Data Sets

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 ${\bf Abstract.} \ \, {\bf Evaluation} \ \, {\bf of} \ \, {\bf the} \ \, {\bf UNESCO} \ \, {\bf Institute} \ \, {\bf for} \ \, {\bf Statistics} \ \, ({\bf UIS}) \\ {\bf RDF} \ \, {\bf Data} \ \, {\bf Sets} \\$

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

1 Data Model Consistency

				C	on	str	ain	\mathbf{ts}			
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 (!)	DATA-MODEL-CONSISTENCY-11
http://uis.270a.info/sparql	✓	✓	✓	<u> </u>	X	<u> </u>	✓	✓	✓	<u> </u>	<u> </u>

Table 1: Evaluation of http://uis.270a.info/sparql

Constraints

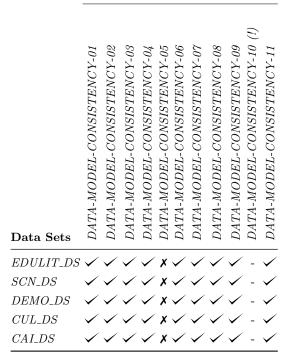


Table 2: Evaluation of http://uis.270a.info/sparql

Data Sets

2 Existential Quantifications

IONS-01	NS-02 NS-03	$V_2-0.4$
EXISTENTIAL-QUANTIFICATIONS-01	EXISTENTIAL-QUANTIFICATIONS-02 EXISTENTIAL-QUANTIFICATIONS-03	EXISTENTIAL-QUANTIFICATIONS-04
	EXISTENTIAL-QUANTIFIC	EXISTENTIAL-QUANTIFIC EXISTENTIAL-QUANTIFIC EXISTENTIAL-QUANTIFIC

Table 3: Evaluation of http://uis.270a.info/sparql

3 Cardinality Restrictions

Data Sets	MINIMU MAXIMU EXACT-:
	MINIMUM-QUALIFIED-CARDINALITY-RESTRICTIONS-02 MAXIMUM-QUALIFIED-CARDINALITY-RESTRICTIONS-01 EXACT-UNQUALIFIED-CARDINALITY-RESTRICTIONS-01 EXACT-011ALIFIED-CARDINALITY-RESTRICTIONS-02

Constraints

Table 4: Evaluation of http://uis.270a.info/sparql

Data Sets EDULIT_DS SCN_DS DEMO_DS CUL_DS CAI_DS CAI_DS CAI_DS

Table 5: Evaluation of http://uis.270a.info/sparql Data Sets

4 Structure

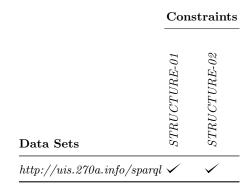


Table 6: Evaluation of http://uis.270a.info/sparql

5 Further Constraints