Evaluation of the International Monetary Fund (IMF) RDF Data Sets

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Abstract. Evaluation of the International Monetary Fund (IMF) 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 (!)	DATA-MODEL-CONSISTENCY-11
$\underline{http://imf.270a.info/sparql}$	<u> </u>	<u> </u>	<u> </u>	<u> </u>	X	<u> </u>	99091	<u> </u>	<u> </u>	<u> </u>	<u> </u>

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

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 (!)	DATA-MODEL-CONSISTENCY-11
MBLD	✓	✓	✓	✓	X	✓	98369	✓	✓	-	✓
PGI	✓	✓	✓	✓	X	✓	\checkmark	✓	✓	-	✓
MCORE	✓	✓	✓	✓	X	✓	722	✓	✓	-	✓
DM	✓	✓	✓	✓	X	✓	\checkmark	✓	✓	-	✓

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

Data Sets

2 Existential Quantifications

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

3 Cardinality Restrictions

stag MINIMUM-QUALIFIED-CARDINALITY-RESTRICTIONS-02 MAXIMUM-QUALIFIED-CARDINALITY-RESTRICTIONS-01 EXACT-UNQUALIFIED-CARDINALITY-RESTRICTIONS-01 EXACT-QUALIFIED-CARDINALITY-RESTRICTIONS-02					
	Data Sets	MINIMUM-QUALIFIED-CARDINALITY-RESTRICTIONS-02	MAXIMUM-QUALIFIED-CARDINALITY-RESTRICTIONS-01	EXACT-UNQUALIFIED-CARDINALITY-RESTRICTIONS-01	EXACT-QUALIFIED-CARDINALITY-RESTRICTIONS-02

Constraints

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

Table 5: Evaluation of http://imf.270a.info/sparql

DM

Data Sets

4 Structure

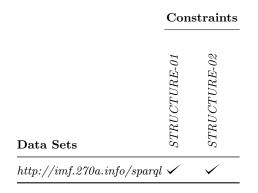


Table 6: Evaluation of http://imf.270a.info/sparql

5 Further Constraints