Evaluation of Transparency International (TI) RDF Data Sets

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Abstract. Evaluation of Transparency International (TI) RDF Data Sets

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*
http://transparency.270a.info/sparql	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓

Table 1: Evaluation of *http://transparency.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*
CPI2009	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓
CPI2010	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓
CPI2011	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓
corruption-perceptions-index/2009/sources	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓
corruption-perceptions-index/2010/sources	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓
corruption-perceptions-index/2011/sources	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓

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

Data Sets

2 Existential Quantifications

Data Sets	Constraints			
	EXISTENTIAL-QUANTIFICATIONS-01	*EXISTENTIAL-QUANTIFICATIONS-02*	*EXISTENTIAL-QUANTIFICATIONS-03*	*EXISTENTIAL-QUANTIFICATIONS-04*
http://transparency.270a.info/sparql	9 ✓	6 ✓		

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

3 Cardinality Restrictions

Data Sets	Constraints			
	MINIMUM-QUALIFIED-CARDINALITY-RESTRICTIONS-02	*MAXIMUM-QUALIFIED-CARDINALITY-RESTRICTIONS-01*	*EXACT-UNQUALIFIED-CARDINALITY-RESTRICTIONS-01*	*EXACT-QUALIFIED-CARDINALITY-RESTRICTIONS-02*
http://transparency.270a.info/sparql	✓	✓	✓	✓

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

Constraints

Data Sets	*MAXIMUM-QUALIFIED-CARDINALITY-RESTRICTIONS-01*
CPI2009	✓
CPI2010	✓
CPI2011	✓
corruption-perceptions-index/2009/sources	✓
corruption-perceptions-index/2010/sources	✓
corruption-perceptions-index/2011/sources	✓

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

Data Sets

4 Structure

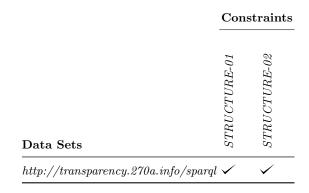| Data Sets	Constraints	
	STRUCTURE-01	*STRUCTURE-02*
http://transparency.270a.info/sparql	✓	✓

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

5 Further Constraints