

Evaluation of the Australian Bureau of Statistics (ABS) RDF Data Sets

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Abstract. Evaluation of the Australian Bureau of Statistics (ABS) 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 | | | | | | | | | | | | | | |
| | <i>DATA-MODEL-CONSISTENCY-01</i> | <i>DATA-MODEL-CONSISTENCY-02</i> | <i>DATA-MODEL-CONSISTENCY-03</i> | <i>DATA-MODEL-CONSISTENCY-04</i> | <i>DATA-MODEL-CONSISTENCY-05</i> | <i>DATA-MODEL-CONSISTENCY-06</i> | <i>DATA-MODEL-CONSISTENCY-07</i> | <i>DATA-MODEL-CONSISTENCY-08</i> | <i>DATA-MODEL-CONSISTENCY-09</i> | <i>DATA-MODEL-CONSISTENCY-10 (!)</i> | <i>DATA-MODEL-CONSISTENCY-11</i> | | | |
| http://abs.270a.info/sparql | ✓ | ✓ | ✓ | ✓ | (6) | 6997098 | (246) | ✓ | ✓ | (8) | ✓ | ✓ | - | ✓ |

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

| Data Sets | Constraints | | | | | | | | | | |
|----------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--|---------------------------|
| | 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 ⁽¹⁾ | DATA-MODEL-CONSISTENCY-11 |
| <i>POP_PROJ_REGION_2012_2061</i> | ✓ | ✓ | ✓ | ✗ | ✗ | ✓ | ✗ | ✓ | ✓ | - | ✓ |
| <i>IIP_DSID5671</i> | ✓ | ✓ | ✓ | ✗ | ✗ | ✓ | ✗ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011_T32</i> | ✓ | ✓ | ✓ | ✗ | ✗ | ✓ | ✗ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011_T32_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011_T31</i> | ✓ | ✓ | ✓ | ✗ | ✗ | ✓ | ✗ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011_T31_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011_B10</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011_B10_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011_B10_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>MERCH_EXP</i> | ✓ | ✓ | ✓ | ✗ | ✗ | ✓ | ✗ | ✓ | ✓ | - | ✓ |
| <i>ABS_NRP9_ASGS</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✗ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011_T29</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✗ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011_T29_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>MERCH_IMP</i> | ✓ | ✓ | ✓ | ✗ | ✗ | ✓ | ✗ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011_B17</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011_B17_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011_B17_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |

Table 2: Evaluation of <http://abs.270a.info/sparql>

Data Sets

| Data Sets | Constraints | | | | | | | | | | |
|----------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------------------|---------------------------|
| | 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 |
| <i>ABS_CENSUS2011.B12</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B12_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B12_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T30</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T30_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B41</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B41_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B41_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T12_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T12</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T03</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T03_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B45</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B45_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B45_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B40</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B40_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |

Table 3: Evaluation of <http://abs.270a.info/sparql>

Data Sets

| Data Sets | Constraints | | | | | | | | | | |
|----------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------------------|---------------------------|
| | 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 |
| <i>ABS_CENSUS2011.B40_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B04</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B04_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B04_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>LF</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B23</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B23_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B23_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T04</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T04_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B16</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B16_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B16_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B11</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B11_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B11_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T24</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |

Table 4: Evaluation of <http://abs.270a.info/sparql>

Data Sets

| Data Sets | Constraints | | | | | | | | | | |
|----------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------------------|---------------------------|
| | 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 |
| <i>ABS_CENSUS2011.T24_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T09</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T09_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T06</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T06_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B20</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B20_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B20_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B22</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B22_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B22_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>TOUR_ACCOM</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T16</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T16_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T17</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T17_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B08</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |

Table 5: Evaluation of <http://abs.270a.info/sparql>

Data Sets

| Data Sets | Constraints | | | | | | | | | | |
|----------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------------------|---------------------------|
| | 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 |
| <i>ABS_CENSUS2011.B08_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B08_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B07</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B07_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B07_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B05</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B05_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B05_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B44</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B44_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B44_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T05</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T05_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B18_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B18</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B18_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B42</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |

Table 6: Evaluation of <http://abs.270a.info/sparql>

Data Sets

| Data Sets | Constraints | | | | | | | | | | |
|----------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------------------|---------------------------|
| | 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 |
| <i>ABS_CENSUS2011.B42_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T25_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T25</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B13_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B13</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B13_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T14_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T14</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B24_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B24</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B24_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B03_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B03</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B03_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T08_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T08</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B21_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |

Table 7: Evaluation of <http://abs.270a.info/sparql>

Data Sets

| Data Sets | Constraints | | | | | | | | | | |
|----------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------------------|---------------------------|
| | 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 |
| <i>ABS_CENSUS2011.B21</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B21_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B19_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B19</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B19_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B06_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B06</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B06_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T10_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T10</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T15_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T15</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>LENDING_INDUSTRY</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T07</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T07_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T19_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T19</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |

Table 8: Evaluation of <http://abs.270a.info/sparql>

Data Sets

| Data Sets | Constraints | | | | | | | | | | |
|----------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------------------|---------------------------|
| | 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 |
| <i>ABS_CENSUS2011.B01.LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B01</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B01_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B09.LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B09</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B09_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B46.LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B46</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B46_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B36.LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B36</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B36_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T13.LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T13</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ERP_QUARTERLY</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_NRP9.LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B14.LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |

Table 9: Evaluation of <http://abs.270a.info/sparql>

Data Sets

| Data Sets | Constraints | | | | | | | | | | |
|----------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------------------|---------------------------|
| | 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 |
| <i>ABS_CENSUS2011.B14</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B14_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T20_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T20</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>POP_PROJ_2011</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>HF</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B34_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B34</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B34_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>LENDING_BY_PURPOSE</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T18</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T18_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B26_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B26</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B26_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T11_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T11</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |

Table 10: Evaluation of <http://abs.270a.info/sparql>

Data Sets

| Data Sets | Constraints | | | | | | | | | | |
|----------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------------------|---------------------------|
| | 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 |
| <i>ABS_CENSUS2011.T22_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T22</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T23_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T23</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B15_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B15</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B15_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T01_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T01</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T21_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T21</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T33_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T33</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B33_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B33</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B33_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T28_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |

Table 11: Evaluation of <http://abs.270a.info/sparql>

Data Sets

| Data Sets | Constraints | | | | | | | | | | |
|----------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------------------|---------------------------|
| | 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 |
| <i>ABS_CENSUS2011.T28</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B32.LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B32</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B32.SA1.SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B28.LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B28</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B28.SA1.SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B37.LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B37</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B37.SA1.SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>CPI</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B43.LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B38.LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B38</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B38.SA1.SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B39.LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B39</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |

Table 12: Evaluation of <http://abs.270a.info/sparql>

Data Sets

| Data Sets | Constraints | | | | | | | | | | |
|----------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------------------|---------------------------|
| | 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 |
| <i>ABS_CENSUS2011.B39_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_ERP_COB.STATE</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B25_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B25</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B25_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T26_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T26</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>RT</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B35_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B35</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B35_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T34_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T34</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B31_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B31</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.B31_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011.T27_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |

Table 13: Evaluation of <http://abs.270a.info/sparql>

Data Sets

| Data Sets | Constraints | | | | | | | | | | |
|---|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------------------|---------------------------|
| | 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 |
| <i>ABS_CENSUS2011_T27</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ERP_COB</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>BOP</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011_B30_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011_B30</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011_B30_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>QBIS</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_ABORIGINAL_POPPROJ_INDREGION</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABORIGINAL_POP_PROJ</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABORIGINAL_POP_PROJ_REMOTE</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>PPI_1</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011_T02_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011_T02</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011_B29_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011_B29</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011_B29_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011_B27_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |

Table 14: Evaluation of *http://abs.270a.info/sparql*

Data Sets

| Data Sets | Constraints | | | | | | | | | | |
|----------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------------------|---------------------------|
| | 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 |
| <i>ABS_CENSUS2011_B27</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011_B27_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>NEWMVSALES</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011_B02_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011_B02</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_CENSUS2011_B02_SA1_SA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_ANNUAL_ERP_ASGS</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ITPL_IMPORT</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>CAPEX</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ITPL_EXPORT</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>PETROLEUM_EXPLORATION</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>PPL_SOP</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>INTERSTATEMIGRATION_FY</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>INTERSTATEMIGRATION_CY</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>MINING_EXPLORATION</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>LABOUR_PRICE_INDEX</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_ANNUAL_ERP_LGA</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |

Table 15: Evaluation of <http://abs.270a.info/sparql>

Data Sets

| Data Sets | Constraints | | | | | | | | | | |
|---------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--|---------------------------|
| | 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 ⁽ⁱ⁾ | DATA-MODEL-CONSISTENCY-11 |
| <i>LENDING_FINANCE_SUMMARY</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>NETOVERSEASMIGRATION_FY</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>NETOVERSEASMIGRATION_CY</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_ERP_COB_MAG_SEXRATIO</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>RES_PROP_INDEX</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_NOM_VISA_CY</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ABS_NOM_VISA_FY</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>RES_DWELL</i> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>ALC</i> | ✓ | ✓ | ✓ | ✓ | 3765282 | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>IAS_2</i> | ✓ | ✓ | ✓ | ✓ | 2547072 | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>RES_DWEL_ST</i> | ✓ | ✓ | ✓ | ✓ | 341550 | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>IAS_4</i> | ✓ | ✓ | ✓ | ✓ | 266064 | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>IAS_5</i> | ✓ | ✓ | ✓ | ✓ | 43374 | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>IAS_3</i> | ✓ | ✓ | ✓ | ✓ | 19500 | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| <i>POPULATION_CLOCK_FY</i> | ✓ | ✓ | ✓ | ✓ | 14256 | ✓ | ✓ | ✓ | ✓ | - | ✓ |

Table 16: Evaluation of <http://abs.270a.info/sparql>

Data Sets

2 Existential Quantifications

| Data Sets | Constraints | | | |
|------------------------------------|---------------------------------------|---|---|---|
| | <i>EXISTENTIAL-QUANTIFICATIONS-01</i> | | | |
| | <i>EXISTENTIAL-QUANTIFICATIONS-02</i> | | | |
| | <i>EXISTENTIAL-QUANTIFICATIONS-03</i> | | | |
| | <i>EXISTENTIAL-QUANTIFICATIONS-04</i> | | | |
| <i>http://abs.270a.info/sparql</i> | 7 | ✓ | ✓ | ✓ |

Table 17: Evaluation of *http://abs.270a.info/sparql*

3 Cardinality Restrictions

| Data Sets | Constraints |
|------------------------------------|--|
| | <i>MINIMUM-QUALIFIED-CARDINALITY-RESTRICTIONS-02</i> |
| | <i>MAXIMUM-QUALIFIED-CARDINALITY-RESTRICTIONS-01</i> |
| | <i>EXACT-UNQUALIFIED-CARDINALITY-RESTRICTIONS-01</i> |
| | <i>EXACT-QUALIFIED-CARDINALITY-RESTRICTIONS-02</i> |
| <i>http://abs.270a.info/sparql</i> | ✗ ✓ (2) ✓ ✓ |

Table 18: Evaluation of *http://abs.270a.info/sparql*

| Data Sets | Constraints |
|----------------------------------|---|
| | MAXIMUM-QUALIFIED-CARDINALITY-RESTRICTIONS-01 |
| <i>POP_PROJ_REGION_2012_2061</i> | ✗ |
| <i>IIP_DSID5671</i> | ✗ |
| <i>ABS_CENSUS2011_T32</i> | ✓ |
| <i>ABS_CENSUS2011_T32_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_T31</i> | ✓ |
| <i>ABS_CENSUS2011_T31_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B10</i> | ✓ |
| <i>ABS_CENSUS2011_B10_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B10_SA1_SA</i> | ✓ |
| <i>MERCH_EXP</i> | ✓ |
| <i>ABS_NRP9_ASGS</i> | ✓ |
| <i>ABS_CENSUS2011_T29</i> | ✓ |
| <i>ABS_CENSUS2011_T29_LGA</i> | ✓ |
| <i>MERCH_IMP</i> | ✓ |
| <i>ABS_CENSUS2011_B17</i> | ✓ |
| <i>ABS_CENSUS2011_B17_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B17_SA1_SA</i> | ✓ |

Table 19: Evaluation of <http://abs.270a.info/sparql>

Data Sets

| Data Sets | Constraints |
|----------------------------------|---|
| | MAXIMUM-QUALIFIED-CARDINALITY-RESTRICTIONS-01 |
| <i>ABS_CENSUS2011_B12</i> | ✓ |
| <i>ABS_CENSUS2011_B12_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B12_SA1_SA</i> | ✓ |
| <i>ABS_CENSUS2011_T30</i> | ✓ |
| <i>ABS_CENSUS2011_T30_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B41</i> | ✓ |
| <i>ABS_CENSUS2011_B41_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B41_SA1_SA</i> | ✓ |
| <i>ABS_CENSUS2011_T12_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_T12</i> | ✓ |
| <i>ABS_CENSUS2011_T03</i> | ✓ |
| <i>ABS_CENSUS2011_T03_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B45</i> | ✓ |
| <i>ABS_CENSUS2011_B45_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B45_SA1_SA</i> | ✓ |
| <i>ABS_CENSUS2011_B40</i> | ✓ |
| <i>ABS_CENSUS2011_B40_LGA</i> | ✓ |

Table 20: Evaluation of *http://abs.270a.info/sparql*

Data Sets

| Data Sets | Constraints |
|----------------------------------|---|
| | MAXIMUM-QUALIFIED-CARDINALITY-RESTRICTIONS-01 |
| <i>ABS_CENSUS2011_B40_SA1_SA</i> | ✓ |
| <i>ABS_CENSUS2011_B04</i> | ✓ |
| <i>ABS_CENSUS2011_B04_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B04_SA1_SA</i> | ✓ |
| <i>LF</i> | ✓ |
| <i>ABS_CENSUS2011_B23</i> | ✓ |
| <i>ABS_CENSUS2011_B23_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B23_SA1_SA</i> | ✓ |
| <i>ABS_CENSUS2011_T04</i> | ✓ |
| <i>ABS_CENSUS2011_T04_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B16</i> | ✓ |
| <i>ABS_CENSUS2011_B16_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B16_SA1_SA</i> | ✓ |
| <i>ABS_CENSUS2011_B11</i> | ✓ |
| <i>ABS_CENSUS2011_B11_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B11_SA1_SA</i> | ✓ |
| <i>ABS_CENSUS2011_T24</i> | ✓ |

Table 21: Evaluation of *http://abs.270a.info/sparql*

Data Sets

| Data Sets | Constraints |
|----------------------------------|---|
| | MAXIMUM-QUALIFIED-CARDINALITY-RESTRICTIONS-01 |
| <i>ABS_CENSUS2011_T24_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_T09</i> | ✓ |
| <i>ABS_CENSUS2011_T09_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_T06</i> | ✓ |
| <i>ABS_CENSUS2011_T06_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B20</i> | ✓ |
| <i>ABS_CENSUS2011_B20_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B20_SA1_SA</i> | ✓ |
| <i>ABS_CENSUS2011_B22</i> | ✓ |
| <i>ABS_CENSUS2011_B22_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B22_SA1_SA</i> | ✓ |
| <i>TOUR_ACCOM</i> | ✓ |
| <i>ABS_CENSUS2011_T16</i> | ✓ |
| <i>ABS_CENSUS2011_T16_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_T17</i> | ✓ |
| <i>ABS_CENSUS2011_T17_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B08</i> | ✓ |

Table 22: Evaluation of *http://abs.270a.info/sparql*

Data Sets

| Data Sets | Constraints |
|----------------------------------|---|
| | MAXIMUM-QUALIFIED-CARDINALITY-RESTRICTIONS-01 |
| <i>ABS_CENSUS2011_B08_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B08_SA1_SA</i> | ✓ |
| <i>ABS_CENSUS2011_B07</i> | ✓ |
| <i>ABS_CENSUS2011_B07_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B07_SA1_SA</i> | ✓ |
| <i>ABS_CENSUS2011_B05</i> | ✓ |
| <i>ABS_CENSUS2011_B05_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B05_SA1_SA</i> | ✓ |
| <i>ABS_CENSUS2011_B44</i> | ✓ |
| <i>ABS_CENSUS2011_B44_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B44_SA1_SA</i> | ✓ |
| <i>ABS_CENSUS2011_T05</i> | ✓ |
| <i>ABS_CENSUS2011_T05_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B18_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B18</i> | ✓ |
| <i>ABS_CENSUS2011_B18_SA1_SA</i> | ✓ |
| <i>ABS_CENSUS2011_B42</i> | ✓ |

Table 23: Evaluation of *http://abs.270a.info/sparql*

Data Sets

| Data Sets | Constraints |
|----------------------------------|---|
| | MAXIMUM-QUALIFIED-CARDINALITY-RESTRICTIONS-01 |
| <i>ABS_CENSUS2011_B42_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_T25_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_T25</i> | ✓ |
| <i>ABS_CENSUS2011_B13_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B13</i> | ✓ |
| <i>ABS_CENSUS2011_B13_SA1_SA</i> | ✓ |
| <i>ABS_CENSUS2011_T14_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_T14</i> | ✓ |
| <i>ABS_CENSUS2011_B24_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B24</i> | ✓ |
| <i>ABS_CENSUS2011_B24_SA1_SA</i> | ✓ |
| <i>ABS_CENSUS2011_B03_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B03</i> | ✓ |
| <i>ABS_CENSUS2011_B03_SA1_SA</i> | ✓ |
| <i>ABS_CENSUS2011_T08_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_T08</i> | ✓ |
| <i>ABS_CENSUS2011_B21_LGA</i> | ✓ |

Table 24: Evaluation of *http://abs.270a.info/sparql*

Data Sets

| Data Sets | Constraints |
|----------------------------------|---|
| | MAXIMUM-QUALIFIED-CARDINALITY-RESTRICTIONS-01 |
| <i>ABS_CENSUS2011_B21</i> | ✓ |
| <i>ABS_CENSUS2011_B21_SA1_SA</i> | ✓ |
| <i>ABS_CENSUS2011_B19_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B19</i> | ✓ |
| <i>ABS_CENSUS2011_B19_SA1_SA</i> | ✓ |
| <i>ABS_CENSUS2011_B06_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B06</i> | ✓ |
| <i>ABS_CENSUS2011_B06_SA1_SA</i> | ✓ |
| <i>ABS_CENSUS2011_T10_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_T10</i> | ✓ |
| <i>ABS_CENSUS2011_T15_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_T15</i> | ✓ |
| <i>LENDING_INDUSTRY</i> | ✓ |
| <i>ABS_CENSUS2011_T07</i> | ✓ |
| <i>ABS_CENSUS2011_T07_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_T19_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_T19</i> | ✓ |

Table 25: Evaluation of *http://abs.270a.info/sparql*

Data Sets

| Data Sets | Constraints |
|----------------------------------|---|
| | MAXIMUM-QUALIFIED-CARDINALITY-RESTRICTIONS-01 |
| <i>ABS_CENSUS2011_B01_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B01</i> | ✓ |
| <i>ABS_CENSUS2011_B01_SA1_SA</i> | ✓ |
| <i>ABS_CENSUS2011_B09_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B09</i> | ✓ |
| <i>ABS_CENSUS2011_B09_SA1_SA</i> | ✓ |
| <i>ABS_CENSUS2011_B46_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B46</i> | ✓ |
| <i>ABS_CENSUS2011_B46_SA1_SA</i> | ✓ |
| <i>ABS_CENSUS2011_B36_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B36</i> | ✓ |
| <i>ABS_CENSUS2011_B36_SA1_SA</i> | ✓ |
| <i>ABS_CENSUS2011_T13_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_T13</i> | ✓ |
| <i>ERP_QUARTERLY</i> | ✓ |
| <i>ABS_NRP9_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B14_LGA</i> | ✓ |

Table 26: Evaluation of *http://abs.270a.info/sparql*

Data Sets

| Data Sets | Constraints |
|----------------------------------|---|
| | MAXIMUM-QUALIFIED-CARDINALITY-RESTRICTIONS-01 |
| <i>ABS_CENSUS2011_B14</i> | ✓ |
| <i>ABS_CENSUS2011_B14_SA1_SA</i> | ✓ |
| <i>ABS_CENSUS2011_T20_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_T20</i> | ✓ |
| <i>POP_PROJ_2011</i> | ✓ |
| <i>HF</i> | ✓ |
| <i>ABS_CENSUS2011_B34_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B34</i> | ✓ |
| <i>ABS_CENSUS2011_B34_SA1_SA</i> | ✓ |
| <i>LENDING_BY_PURPOSE</i> | ✓ |
| <i>ABS_CENSUS2011_T18</i> | ✓ |
| <i>ABS_CENSUS2011_T18_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B26_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B26</i> | ✓ |
| <i>ABS_CENSUS2011_B26_SA1_SA</i> | ✓ |
| <i>ABS_CENSUS2011_T11_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_T11</i> | ✓ |

Table 27: Evaluation of <http://abs.270a.info/sparql>

Data Sets

| Data Sets | Constraints |
|----------------------------------|---|
| | MAXIMUM-QUALIFIED-CARDINALITY-RESTRICTIONS-01 |
| <i>ABS_CENSUS2011_T22_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_T22</i> | ✓ |
| <i>ABS_CENSUS2011_T23_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_T23</i> | ✓ |
| <i>ABS_CENSUS2011_B15_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B15</i> | ✓ |
| <i>ABS_CENSUS2011_B15_SA1_SA</i> | ✓ |
| <i>ABS_CENSUS2011_T01_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_T01</i> | ✓ |
| <i>ABS_CENSUS2011_T21_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_T21</i> | ✓ |
| <i>ABS_CENSUS2011_T33_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_T33</i> | ✓ |
| <i>ABS_CENSUS2011_B33_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B33</i> | ✓ |
| <i>ABS_CENSUS2011_B33_SA1_SA</i> | ✓ |
| <i>ABS_CENSUS2011_T28_LGA</i> | ✓ |

Table 28: Evaluation of *http://abs.270a.info/sparql*

Data Sets

| Data Sets | Constraints |
|----------------------------------|---|
| | MAXIMUM-QUALIFIED-CARDINALITY-RESTRICTIONS-01 |
| <i>ABS_CENSUS2011_T28</i> | ✓ |
| <i>ABS_CENSUS2011_B32_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B32</i> | ✓ |
| <i>ABS_CENSUS2011_B32_SA1_SA</i> | ✓ |
| <i>ABS_CENSUS2011_B28_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B28</i> | ✓ |
| <i>ABS_CENSUS2011_B28_SA1_SA</i> | ✓ |
| <i>ABS_CENSUS2011_B37_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B37</i> | ✓ |
| <i>ABS_CENSUS2011_B37_SA1_SA</i> | ✓ |
| <i>CPI</i> | ✓ |
| <i>ABS_CENSUS2011_B43_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B38_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B38</i> | ✓ |
| <i>ABS_CENSUS2011_B38_SA1_SA</i> | ✓ |
| <i>ABS_CENSUS2011_B39_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B39</i> | ✓ |

Table 29: Evaluation of *http://abs.270a.info/sparql*

Data Sets

| Data Sets | Constraints |
|----------------------------------|---|
| | MAXIMUM-QUALIFIED-CARDINALITY-RESTRICTIONS-01 |
| <i>ABS_CENSUS2011_B39_SA1_SA</i> | ✓ |
| <i>ABS_ERP_COB_STATE</i> | ✓ |
| <i>ABS_CENSUS2011_B25_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B25</i> | ✓ |
| <i>ABS_CENSUS2011_B25_SA1_SA</i> | ✓ |
| <i>ABS_CENSUS2011_T26_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_T26</i> | ✓ |
| <i>RT</i> | ✓ |
| <i>ABS_CENSUS2011_B35_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B35</i> | ✓ |
| <i>ABS_CENSUS2011_B35_SA1_SA</i> | ✓ |
| <i>ABS_CENSUS2011_T34_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_T34</i> | ✓ |
| <i>ABS_CENSUS2011_B31_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B31</i> | ✓ |
| <i>ABS_CENSUS2011_B31_SA1_SA</i> | ✓ |
| <i>ABS_CENSUS2011_T27_LGA</i> | ✓ |

Table 30: Evaluation of *http://abs.270a.info/sparql*

Data Sets

| Data Sets | Constraints |
|---|---|
| | MAXIMUM-QUALIFIED-CARDINALITY-RESTRICTIONS-01 |
| <i>ABS.CENSUS2011.T27</i> | ✓ |
| <i>ERP_COB</i> | ✓ |
| <i>BOP</i> | ✓ |
| <i>ABS.CENSUS2011.B30.LGA</i> | ✓ |
| <i>ABS.CENSUS2011.B30</i> | ✓ |
| <i>ABS.CENSUS2011.B30.SA1.SA</i> | ✓ |
| <i>QBIS</i> | ✓ |
| <i>ABS.ABORIGINAL.POPPROJ.INDREGION</i> | ✓ |
| <i>ABORIGINAL.POP.PROJ</i> | ✓ |
| <i>ABORIGINAL.POP.PROJ.REMOTE</i> | ✓ |
| <i>PPI_1</i> | ✓ |
| <i>ABS.CENSUS2011.T02.LGA</i> | ✓ |
| <i>ABS.CENSUS2011.T02</i> | ✓ |
| <i>ABS.CENSUS2011.B29.LGA</i> | ✓ |
| <i>ABS.CENSUS2011.B29</i> | ✓ |
| <i>ABS.CENSUS2011.B29.SA1.SA</i> | ✓ |
| <i>ABS.CENSUS2011.B27.LGA</i> | ✓ |

Table 31: Evaluation of *http://abs.270a.info/sparql*

Data Sets

| Data Sets | Constraints |
|----------------------------------|---|
| | MAXIMUM-QUALIFIED-CARDINALITY-RESTRICTIONS-01 |
| <i>ABS_CENSUS2011_B27</i> | ✓ |
| <i>ABS_CENSUS2011_B27_SA1_SA</i> | ✓ |
| <i>NEWMVSALES</i> | ✓ |
| <i>ABS_CENSUS2011_B02_LGA</i> | ✓ |
| <i>ABS_CENSUS2011_B02</i> | ✓ |
| <i>ABS_CENSUS2011_B02_SA1_SA</i> | ✓ |
| <i>ABS_ANNUAL_ERP_ASGS</i> | ✓ |
| <i>ITPL_IMPORT</i> | ✓ |
| <i>CAPEX</i> | ✓ |
| <i>ITPL_EXPORT</i> | ✓ |
| <i>PETROLEUM_EXPLORATION</i> | ✓ |
| <i>PPLSOP</i> | ✓ |
| <i>INTERSTATEMIGRATION_FY</i> | ✓ |
| <i>INTERSTATEMIGRATION_CY</i> | ✓ |
| <i>MINING_EXPLORATION</i> | ✓ |
| <i>LABOUR_PRICE_INDEX</i> | ✓ |
| <i>ABS_ANNUAL_ERP_LGA</i> | ✓ |

Table 32: Evaluation of <http://abs.270a.info/sparql>

Data Sets

| Data Sets | Constraints |
|---------------------------------|---|
| | MAXIMUM-QUALIFIED-CARDINALITY-RESTRICTIONS-01 |
| <i>LENDING_FINANCE_SUMMARY</i> | ✓ |
| <i>NETOVERSEASMIGRATION_FY</i> | ✓ |
| <i>NETOVERSEASMIGRATION_CY</i> | ✓ |
| <i>ABS_ERP_COB_MAG_SEXRATIO</i> | ✓ |
| <i>RES_PROP_INDEX</i> | ✓ |
| <i>ABS_NOM_VISA_CY</i> | ✓ |
| <i>ABS_NOM_VISA_FY</i> | ✓ |
| <i>RES_DWELL</i> | ✓ |
| <i>ALC</i> | ✓ |
| <i>IAS_2</i> | ✓ |
| <i>RES_DWEL_ST</i> | ✓ |
| <i>IAS_4</i> | ✓ |
| <i>IAS_5</i> | ✓ |
| <i>IAS_3</i> | ✓ |
| <i>POPULATION_CLOCK_FY</i> | ✓ |

Table 33: Evaluation of *http://abs.270a.info/sparql*

Data Sets

4 Structure

| Data Sets | Constraints | |
|------------------------------------|---------------------|---------------------|
| | <i>STRUCTURE-01</i> | <i>STRUCTURE-02</i> |
| <i>http://abs.270a.info/sparql</i> | ✓ | ✓ |

Table 34: Evaluation of *http://abs.270a.info/sparql*

5 Further Constraints