# Validating statistical index data represented in RDF using SPARQL queries

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#### Introduction

- Validation of RDF using SPARQL queries
- ► Use case: Data Portal of TheWebIndex: http://thewebindex.org

## Example of input data

```
obs:obsM23 a qb:Observation ;
cex:computation [ a cex:Z-Score ;
    cex:observation obs:obsA23 ; cex:slice
        slice:sliceA09 ; ] ;
cex:value 0.56 ;
cex:md5-checksum "2917835203..." ;
cex:indicator indicator:A ;
cex:concept country:ESP ;
qb:dataSet dataset:A-Normalized ;
# ... other declarations omitted for brevity
```

### Source code

```
SELECT * WHERE {
  ?x a ?y .
}
```

Listing 1: SPARQL query

#### Conclusions

- SPARQL queries can validate RDF
- SPARQL is familiar to RDF developers
- Computex validation service:

http://computex.herokuapp.com

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