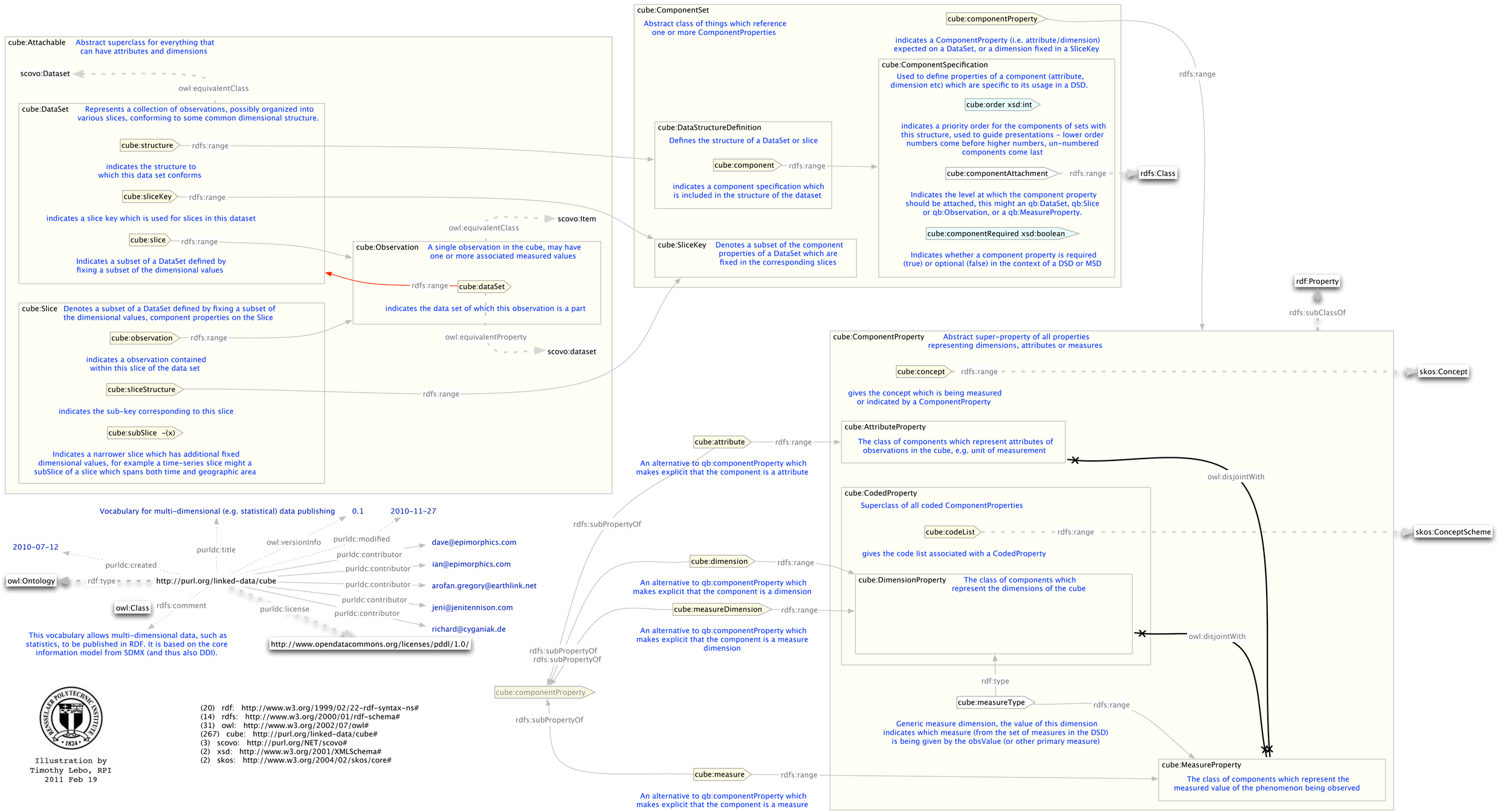
cube:Attachable
Abstract superclass for everything that can have attributes and dimensions
scovo:Dataset
owl:equivalentClass
cube:DataSet
Represents a collection of observations, possibly organized into various slices, conforming to some common dimensional structure.
cube:structure
rdfs:range
indicates the structure to which this data set conforms
cube:sliceKey
rdfs:range
indicates a slice key which is used for slices in this dataset
cube:slice
rdfs:range
Indicates a subset of a DataSet defined by fixing a subset of the dimensional values
cube:Slice
Denotes a subset of a DataSet defined by fixing a subset of the dimensional values, component properties on the Slice
cube:observation
rdfs:range
indicates a observation contained within this slice of the data set
cube:sliceStructure
indicates the sub-key corresponding to this slice
cube:subSlice -(x)
Indicates a narrower slice which has additional fixed dimensional values, for example a time-series slice might a subSlice of a slice which spans both time and geographic area
scovo:Item
owl:equivalentClass
cube:Observation
A single observation in the cube, may have one or more associated measured values
rdfs:range
cube:dataSet
indicates the data set of which this observation is a part
owl:equivalentProperty
scovo:dataset
rdfs:range
cube:ComponentSet
Abstract class of things which reference one or more ComponentProperties
cube:componentProperty
indicates a ComponentProperty (i.e. attribute/dimension) expected on a DataSet, or a dimension fixed in a SliceKey
cube:ComponentSpecification
Used to define properties of a component (attribute, dimension etc) which are specific to its usage in a DSD.
cube:order xsd:int
indicates a priority order for the components of sets with this structure, used to guide presentations - lower order numbers come before higher numbers, un-numbered components come last
cube:componentAttachment
rdfs:range
rdfs:Class
Indicates the level at which the component property should be attached, this might an qb:DataSet, qb:Slice or qb:Observation, or a qb:MeasureProperty.
cube:componentRequired xsd:boolean
Indicates whether a component property is required (true) or optional (false) in the context of a DSD or MSD
cube:DataStructureDefinition
Defines the structure of a DataSet or slice
cube:component
rdfs:range
indicates a component specification which is included in the structure of the dataset
cube:SliceKey
Denotes a subset of the component properties of a DataSet which are fixed in the corresponding slices
rdfs:range
rdf:Property
rdfs:subClassOf
cube:ComponentProperty
Abstract super-property of all properties representing dimensions, attributes or measures
cube:concept
rdfs:range
skos:Concept
gives the concept which is being measured or indicated by a ComponentProperty
cube:attribute
rdfs:range
An alternative to qb:componentProperty which makes explicit that the component is a attribute
cube:AttributeProperty
The class of components which represent attributes of observations in the cube, e.g. unit of measurement
owl:disjointWith
cube:CodedProperty
Superclass of all coded ComponentProperties
cube:codeList
rdfs:range
skos:ConceptScheme
gives the code list associated with a CodedProperty
cube:dimension
rdfs:range
An alternative to qb:componentProperty which makes explicit that the component is a dimension
cube:DimensionProperty
The class of components which represent the dimensions of the cube
cube:measureDimension
rdfs:range
An alternative to qb:componentProperty which makes explicit that the component is a measure dimension
owl:disjointWith
rdfs:subPropertyOf
rdfs:subPropertyOf
rdfs:subPropertyOf
cube:componentProperty
rdf:type
cube:measureType
rdfs:range
Generic measure dimension, the value of this dimension indicates which measure (from the set of measures in the DSD) is being given by the obsValue (or other primary measure)
rdfs:subPropertyOf
cube:measure
rdfs:range
An alternative to qb:componentProperty which makes explicit that the component is a measure
cube:MeasureProperty
The class of components which represent the measured value of the phenomenon being observed
Vocabulary for multi-dimensional (e.g. statistical) data publishing
0.1
2010-11-27
2010-07-12
purldc:created
purldc:title
owl:versionInfo
purldc:modified
owl:Ontology
rdf:type
http://purl.org/linked-data/cube
owl:Class
rdfs:comment
purldc:license
purldc:contributor
dave@epimorphics.com
ian@epimorphics.com
arofan.gregory@earthlink.net
jeni@jenitennison.com
richard@cyganiak.de
This vocabulary allows multi-dimensional data, such as statistics, to be published in RDF. It is based on the core information model from SDMX (and thus also DDI).
http://www.opendatacommons.org/licenses/pddl/1.0/
(20) rdf: http://www.w3.org/1999/02/22-rdf-syntax-ns#
(14) rdfs: http://www.w3.org/2000/01/rdf-schema#
(31) owl: http://www.w3.org/2002/07/owl#
(267) cube: http://purl.org/linked-data/cube#
(3) scovo: http://purl.org/NET/scovo#
(2) xsd: http://www.w3.org/2001/XMLSchema#
(2) skos: http://www.w3.org/2004/02/skos/core#
Illustration by Timothy Lebo, RPI 2011 Feb 19