

Experiment Results (rdfs:label)

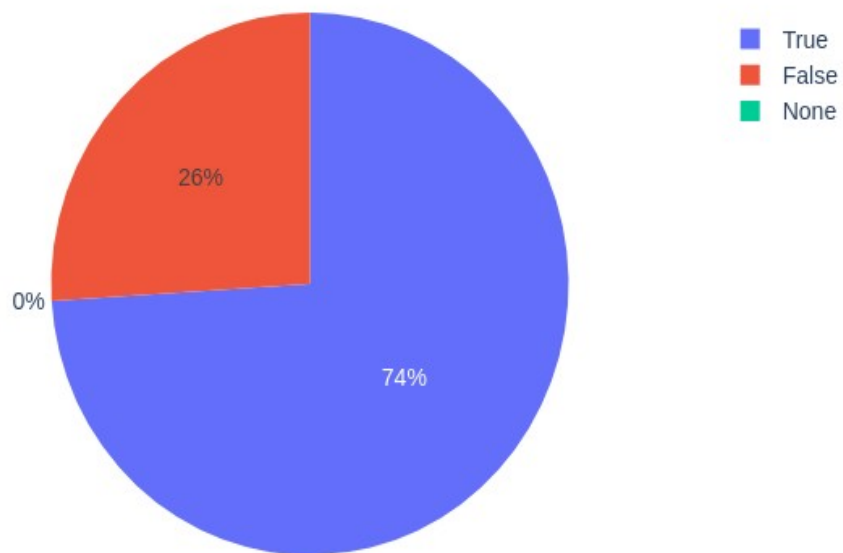
The table below shows the results when the ('rdfs:label') property value returned from ChatGPT for each tested concept ('Concept') was compared ('Comparison') with the value in the respective ontology. 'None' indicates that a value was not retrieved from ChatGPT.

Comparison Results ('rdfs:label')

Concept	ChatGPT Response	Comparison
rdfs:Resource	'Resource'	True
rdfs:Literal	'Literal'	True
rdfs:Class	'Class'	True
rdfs:Datatype	'Datatype'	True
rdfs:Container	'Container'	True
rdfs:label	'label'	True
rdfs:comment	'Comment'	True
rdfs:domain	'domain of'	False
rdfs:range	'range'	True
rdfs:subClassOf	'subClassOf'	True
skos:Concept	'Concept'@en	True
skos:Collection	'A collection of concepts'@en	False
skos:ConceptScheme	'Concept Scheme'@en	True
skos:OrderedCollection	'Ordered Collection'@en	True
skos:CollectableProperty	'collectable property'@en	False
skos:topConceptOf	'top concept of'@en	False
skos:semanticRelation	'Semantic Relation'@en	False
skos:memberList	'member list'@en	False
skos:member	'member'@en	False
skos:hasTopConcept	'has top concept'@en	True
foaf:Agent	'Agent'	True
foaf:Person	'Person'	True
foaf:Document	'Document'	True
foaf:Group	'Group'	True
foaf:OnlineAccount	'Online Account'	True
foaf:name	'name'	True
foaf:knows	'knows'	True
foaf:based_near	'based near'	True
foaf:accountName	'account name'	True
foaf:holdsAccount	'holds account'	True
prov:Agent	'Agent'	True
prov:Activity	'Activity'	True
prov:Entity	'Entity'	True
prov:Collection	'Collection'	True
prov:Location	'Location'	True
prov:wasGeneratedBy	'was generated by'	False
prov:generatedAtTime	'generated at time'	False
prov:atLocation	'located at'	False
prov:hadMember	'had member'	False
prov:used	'used'	True
rdf:List	'List'	True

rdf:Bag	'Bag'	True
rdf:Statement	'Statement'	True
rdf:Property	'Property'	True
rdf:HTML	'HTML/XML syntax for RDF'	False
rdf:first	'first'	True
rdf:type	'type'	True
rdf:subject	'subject'	True
rdf:value	'value'	True
rdf:rest	'rest of list'	False

Figure 1: Occurences of each category of response ('True', 'False', 'None')



Summary of Results

Below is a summary of these results.

Test Property	True Count	False Count	No Response Count
rdfs:label	37	13	0

The table below shows the occurrences of each category for the tested ontologies.

Ontology Prefix	True Count	False Count	No Response Count
rdfs	9	1	0
skos	4	6	0
foaf	10	0	0
prov	6	4	0
rdf	8	2	0