

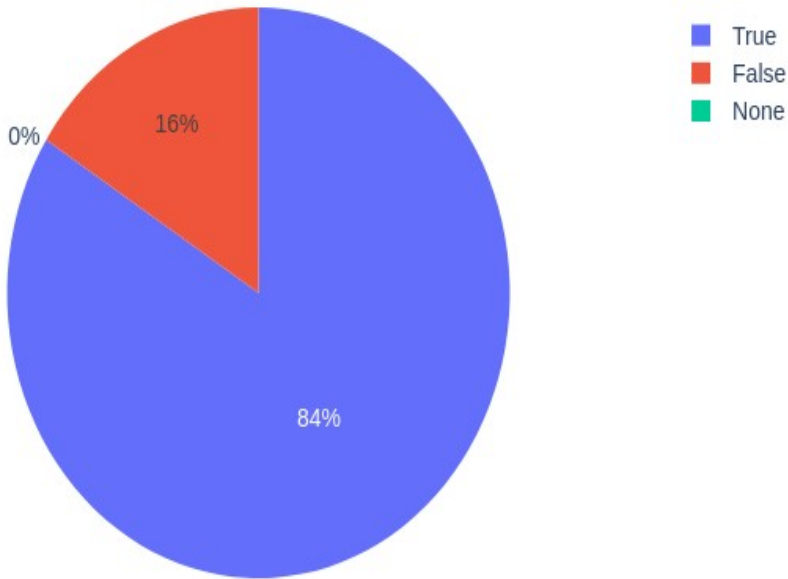
Experiment Results (rdfs:range)

Comparison Results ('rdfs:range')

The table below shows the results when the ('rdfs:range') 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.

Concept	ChatGPT Response	Comparison
rdfs:label	rdfs:Literal	True
rdfs:comment	rdfs:Literal	True
rdfs:domain	rdfs:Class	True
rdfs:range	rdfs:Class	True
rdfs:subClassOf	rdfs:Class	True
skos:topConceptOf	skos:Concept	False
skos:semanticRelation	owl:Class	True
skos:memberList	rdf:List	True
skos:member	skos:Concept	True
skos:hasTopConcept	skos:Concept	True
foaf:name	rdfs:Literal	True
foaf:knows	foaf:Person	True
foaf:based_near	geo:SpatialThing	True
foaf:accountName	xsd:string	False
foaf:holdsAccount	foaf:OnlineAccount	True
prov:wasGeneratedBy	prov:Activity	True
prov:generatedAtTime	xsd:dateTime	True
prov:atLocation	prov:Location	True
prov:hadMember	prov:Collection	False
prov:used	prov:entity	False
rdf:first	rdfs:Resource	True
rdf:type	rdfs:Class	True
rdf:subject	rdfs:Resource	True
rdf:value	rdfs:Literal	True
rdf:rest	rdf:List	True

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:range	21	4	0

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

Ontology Prefix	True Count	False Count	No Response Count
rdfs	5	0	0
skos	4	1	0
foaf	4	1	0
prov	3	2	0
rdf	5	0	0