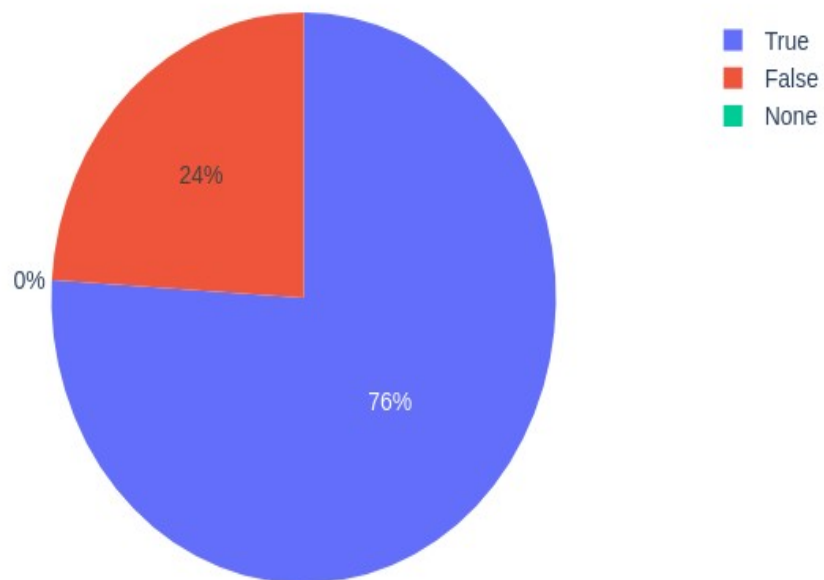# Experiment Results (rdf:type)

Comparison Results ('rdf:type')

The table below shows the results when the ('rdf:type') 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:Resource	rdfs:Class	True
rdfs:Literal	rdfs:Class	True
rdfs:Class	rdfs:Class	True
rdfs:Datatype	rdfs:Class	True
rdfs:Container	rdfs:Class	True
rdfs:label	rdf:Property	True
rdfs:comment	rdf:Property	True
rdfs:domain	rdf:Property	True
rdfs:range	rdf:Property	True
rdfs:subClassOf	rdf:Property	True
skos:Concept	skos:Concept	False
skos:Collection	<http://www.w3.org/2004/02/ skos/core#Collection>	False
skos:ConceptScheme	<http://www.w3.org/2004/02/ skos/core#ConceptScheme>	False
skos:OrderedCollection	rdfs:Class	True
skos:CollectableProperty	rdf:Property	True
skos:topConceptOf	rdf:Property	True
skos:semanticRelation	rdf:Property	True
skos:memberList	rdf:Property	True
skos:member	rdf:Property	True
skos:hasTopConcept	rdf:Property	True
foaf:Agent	owl:Class	True
foaf:Person	rdf:Class	False
foaf:Document	<http://xmlns.com/foaf/0.1/ Document>	False
foaf:Group	<http://xmlns.com/foaf/0.1/ Group>	False
foaf:OnlineAccount	<http://www.w3.org/ns/sioc/ services#Service>	False
foaf:name	rdf:Property	True
foaf:knows	rdf:Property	True
foaf:based_near	rdf:Property	True
foaf:accountName	rdf:Property	True
foaf:holdsAccount	rdf:Property	True
prov:Agent	prov:Agent	False
prov:Activity	<http://www.w3.org/ns/ prov#Activity>	False
prov:Entity	owl:Class	True
prov:Collection	owl:Class	True
prov:Location	rdfs:Class	True
prov:wasGeneratedBy	rdf:Property	True

prov:generatedAtTime	rdf:Property	True
prov:atLocation	rdf:Property	True
prov:hadMember	rdf:Property	True
prov:used	rdf:Property	True
rdf:List	rdfs:Class	True
rdf:Bag	rdf:Bag	False
rdf:Statement	rdf:Class	False
rdf:Property	rdf:Class	False
rdf:HTML	rdfs:Class	True
rdf:first	rdf:Property	True
rdf:type	rdf:Property	True
rdf:subject	rdf:Property	True
rdf:value	rdf:Property	True
rdf:rest	rdf:Property	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
rdf:type	38	12	0

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

Ontology Prefix	True Count	False Count	No Response Count
rdfs	10	0	0
skos	7	3	0
foaf	6	4	0
prov	8	2	0
rdf	7	3	0