

Knowledge Representation Workshop 8

CITS3005

September 26, 2023

Ontologies in Protege

This workshop will look at ontologies in protege, by going through an extensive wine ontology and considering various competency questions.

1. Download and install Protege from <https://protege.stanford.edu/>.
2. Open the wine ontology (click open from url and select the wine ontology)
3. Explore the interface, and examine the various tabs and information:
 - What questions can we answer using this ontology?
 - Where are the classes?
 - Where are the individuals?
 - How can we query the data?
4. What design choices were made implementing this ontology?
5. Use Protégé to mock a prototype ontology for the UWA handbook. Add classes, properties and set constraints for these properties.
6. Export this ontology to an OWL format and inspect the text.
7. Check that you can import this mock ontology into owlready2 with Python.