Individual assignment #2 – Build your own ontology
INFO 6540 – Data Management
Winter 2021
20% of final grade

Objective

- Get familiar with knowledge graphs and ontologies and the Protégé software.

Instructions

Use Protégé to create an ontology on a topic that you are familiar with and know on a detailed level. It can be anything you want (e.g. music, history, movies, TV shows, books, comics, food, sports, etc.)

The minimum requirements for the ontology are:

1. At least 40 terms.
2. At least 4 different relationships (Object Properties), apart from 'subclass of' (is a). These four relationships need to be defined, as we discussed in class, i.e. textual definition, inverse properties, what type of property (inverse, transitive etc.), domain, range etc.
3. All terms must have a textual description.
4. Use the relationships (Object properties) to create triples.
5. Add as many Annotation Properties as you think are needed to fully capture the metadata of a term.

To deposit on Brightspace by April 2nd, 2021 at 11:59 pm Atlantic time.

- your final OWL file.
- A document that will that contains a brief description of your ontology and its domain boundaries.

Grade calculation

- The minimum number of elements is respected (7.5 points)
- All description and annotations are present and appropriate (7.5 points)
- The ontology if overall logical and consistent (5 points)