Individual assignment – Build your own ontology
INFO 6540 – Data Management
Winter 2022
25% of final grade

Objective

- Get familiar with knowledge graphs and ontologies.

Instructions

Create an ontology (in excel using this **template**) 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.). **Please do not modify the names of the sheets and the columns in the template**.

The minimum requirements for the ontology are:

1. A brief description of your ontology and its domain boundaries. Write this in the "**Description**" sheet of the Excel file.
2. At least 20 individuals.
3. At least 3 different relationship types, excluding "inverse relationships" and "is a" relationships.
4. All classes and relationships must have a succinct textual description (a single phrase or sentence). Write those in the "**Description**" column of the "**Relationships**" and "**Classes**" sheets.
5. At least 20 triples (make sure that all your individuals and relationship types are used at least once).

To deposit on Brightspace by April 15, 2022 at 11:59 pm Atlantic time.

- Your Excel file.

Grade calculation

- The minimum number of elements is respected (5 points)
- The description of your ontology and its domain boundaries are clear (6.25 points)
- The descriptions of your classes and relationships are present and appropriate (6.25 points)
- The ontology if overall logical and consistent (7.5 points)