**DSCI 558: Building Knowledge Graphs**

**Quiz 3 - Rubrics**

Jan 29th, 2020

Question 1 (10 points)

Based on what you learned, please write **T** (True) or **F** (False) next to each of the following sentences:

\_\_F\_\_ Objects in RDF triples always ­­­need to have URIs

\_\_T\_\_ In RDF triples, literal values cannot be used in subjects.

\_\_F\_\_ The following turtle triples mean “There is a person named “Michael Jordan”:

[] foaf:firstName “Michael” .

[] foaf:lastName “Jordan” .

\_\_F\_\_ RDF can only accept literal values that are strings.

\_\_F\_\_ In an RDF triple, subject and object need to be different (cannot refer to a same instance)

\_\_ F\_\_ In RDF, it is not allowed to use untyped (plain) literals.

\_\_F\_\_ :q rdfs:range :d . and :x :q :y . imply :x rdf:type :d .

\_\_T\_\_ :w rdfs:subPropertyOf :p . and :a :w :b . imply :a :p :b .

\_\_T\_\_ :w rdfs:subPropertyOf :p . and :p rdfs:domain :d . imply :w rdfs:domain :d .

\_\_T\_\_ :c rdfs:subClassOf :s . and :p rdf:type :c . imply :p rdf:type :s .