Homework 3 (Due at 11:59pm on 2015/02/06)

Instruction

Get the following information from DBpedia using SPARQL queries. In this homework, you need to turn in the following parts for each question:

1. Your running SPARQL query

2. Returned results in tabular form (if more than 10, only show first 10 results)

We will test your query using the following command, for example for question 1:
curl -X POST -H "Accept: text/csv" -H "Content-Type: application/x-www-form-urlencoded" --data-urlencode "query@query1.sparql" http://dbpedia.org/sparql

where **query1.sparql** is the text file containing the query of question 1. Please make sure you can successfully run the command with your query.

Please turn in a report in **PDF** format and place **each query** and **its first 10 results** in **one page**, along with the five query files: **query1.sparql**, **query2.sparql**, **query3.sparql**, **query4.sparql** and **query5.sparql**.

Zip them into a file **hw3_[firstname]_[lastname].zip** and submit it on Blackboard.

Questions (100 points):

1. Get the student populations of USC and UCLA respectively using one query (20 points)

2. Get all the private universities in Los Angeles, and sort the universities in descending order of their student populations (20 points).

3. Get the campus types and their corresponding counts of all the public universities in Los Angeles (20 points).

4. Get the universities among all the private and public universities located in Los Angeles, which have been established for more than 100 years. Sort the universities in ascending order of established years (20 points).

5. Provide another query you are interested in and list the returned results. This query should be substantially different from the previous four (20 points).