Assignment 4

12/2/2024

Late **43/45** Points

Attempt 1

Review Feedback
12/4/2024

Attempt 1 Score:
43/45

View Feedback

Anonymous Grading: **no**

3 Attempts Allowed

Details

CS489/589 Assignment 4: Course Project (**45%** of overall grade score: including **35%** written report and **10%** final presentation)

- Due date: check submission due date on Canvas
- Submission method: Canvas (only the group leader needs to submit)
- Document naming:
  - Written report: SWOP_2020_Assignment4a_YOUR_NAME.ext (e.g. txt, pdf, doc, zip)
  - Final presentation: SWOP_2020_Assignment4b_YOUR_NAME.ext (e.g. ppt, pdf, zip)
- Late submission policy: first time with valid reason – no penalty, otherwise 20% of score deducted each late day

Note: Your report for this assignment should be the result of **group** work. Take care to avoid plagiarism (“copying”), including all web resources, texts, and class presentations. You are encouraged to discuss your ideas and the tasks for this assignment with other students in the class.

General assignment: The group chooses an investigation goal, finds and collects data sets from one or more SPARQL end points (i.e. triple stores) on the Web, analyzes and visualizes the datasets, and reports and communicates the results. The weighting score for each question is included below. Please use the question numbering (1-3) below for your written report, and use guideline 4 for the final presentation.

1. Choose an investigation goal and identify and collect existing sources of linked data that can address the research goal: (15%)
   - Choose and state the research goal. Describe the overall design and implementation of the workflows in the whole assignment. 5-6 sentences (5%)

- Describe the progress of exploring and identifying classes, properties and individuals from the existing SPARQL end points. After you get familiar with ontologies and instance records on the end points, describe how you design the workflow to query them. Describe the SPARQL queries implemented in order to collect the necessary datasets. Min. 9-10 sentences (10%)

2. Data Analysis (10%)
   - Develop and state two particular questions/ hypotheses related to the goal of the investigation and that can be answered using the datasets under consideration. Design an analysis study to answer these questions and document the analysis design. Min. 5-6 sentences (5%)
   - Provide a description of the choice of programming languages/tools/ methods used for the analysis. Perform the analysis in a form that can be validated and describe the steps and results you took to ensure this validation. Min. 5-6 sentences (5%)

3. Visualization (10%)
   - Prepare visualizations of both the data and the results of the analysis and describe the meanings revealed by them. Describe the format of the visualization products (e.g. images, interactive visualizations on the Web, etc.). 5-6 sentences. (5%)
   - Describe how your visualization meets the goal of the investigation and highlight any value that was gained, min. 5-6 sentences (5%)

4. Final presentation of the results for questions 1, 2, and 3. Plan to present for about 15-20 minutes, followed by 5 minutes for questions. (10%)

	File Name	Size		
	SWOP_2020...Plum.docx	509 KB	9%	
	SWOP_2020...Plum.pptx	963 KB	3%	
	SWOP_2020..._Plum.zip	2.53 MB		

New Attempt