

Semantic Web 2023/2024

Course Project

The era of the AI is here. Our task is to combine forces using cutting edge general-AI tools like CHATGPT, to provide better insights for a Knowledge Graph.

Our task will be to get the the n most frequent (or most interesting) SPARQL queries from the provided DBPEDIA query log, use the on-line endpoint to answer them and then use ChatGPT (or similar tools) to build a FAQ out of them.

Group 1)

Write a paper collecting the report from the various teams and assemble a final Presentation.

Deadline 1: Related work in the area of interest (1 page with related work) (15 January)

Deadline 2: A presentation assembled with the different presentation of of the other groups (2 February)

Deadline 3: A paper collecting various reports from other groups (07 February)

Group 2)

Parse the query log, choose the most frequent (or interesting) queries and answer them using the endpoint

Deadline 1: A tool to have as input a number (n) and return the n queries chosen(15 January)

Deadline 2: The previous queries answered by the endpoint (20 January)

Deadline 3: A report and a presentation part to be provided to group 1 (25 January)

Group 3)

For the queries provided from group 2, use ChatGPT, to make a normal English sentence (or paragraph), that will form an adequate plain English *translate* for the query / answer

Deadline 1: A sample testing (for 3 sparql queries/answers YOU choose) of the system (15 January)

Deadline 2: The final result for the plain English queries/answers chosen by group 2 (22 January)

Deadline 3: A report and a presentation part to be provided to group 1 (30 January)

Group 4)

For the queries provided from group 2, use ChatGPT, to assign a one (or two words) general topic for the provided query (e.g. sports or politics or whatever :)

Deadline 1: A sample testing (for 3 sparql queries YOU choose) of the system (15 January)

Deadline 2: The final result of the plain English questions – answers to form a FAQ with a specific topic for its sections (25 January)

Deadline 3: A report and a presentation part to be provided to group 1 (30 January)

Group 5)

For the data (results) of the 4th group, create a web page which nicely presents the results to the interested user

Deadline 1: The layout/template/technologies of the Web Site (15 January)

Deadline 2: The WEB SITE with the appropriate information, completed (30 January)

Deadline 3: A report and a presentation part to be provided to group 1 (30 January)