

Knowledge and the Web 2015/2016:

Exercise session 4

October 28, 2015

This exercise session is the first step in your group projects. You will continue playing with the [Talk of Europe](#) knowledge base, like during the last exercise session. The goal of this exercise is to find a set (**at least two**) knowledge bases to enrich the ToE.

Put yourself in a role of a data analyst/scientist. Start by looking for the publicly available knowledge bases. As an interesting start, have a look at the following ones:

- [DBpedia](#)
- [Yago](#)
- [Freebase](#)
- [New York Times](#)
- [BBC](#).

Starting with the available data, formulate interesting questions to answer using the knowledge bases you found. **Note:** ToE must be the core source of your questions. Model the data you need as the RDFS model.

Be sure to note all the knowledge bases you found and questions you formulated during the exercise session. **By November 4, 2015, 16:00**, you have to send us a report containing:

1. list of interesting knowledge bases you have found (**at least two**)
2. list of questions you came up with (**at least two**)
3. for each question you have to explain:
 - how the question relates to ToE
 - which data from ToE is necessary to answer the question
 - which non-ToE knowledge base you need to use to answer this question (from the list in 1))
 - which data you need from that knowledge base.
4. RDFS model (in Protege) modelling at least one of the questions from 2)
5. (OPTIONAL) Populate your ontology with RDF data

Send your reports to [Sebastijan Dumancic](#). You can send a report as an individual or as a group. In any case, the requirements mentioned above are **the requirements per person**. In case you are sending an individual report, you have to send us a list of two questions and the remaining explanations, while in case of a group report, you have to send us a list of 8 questions (2 per person) and remaining explanations.

NOTES:

1. If you don't manage to finish the tasks during the exercise session, please finish them at home
2. No need to handle anything at the end of the session (check the deadline for the report). If you have questions, feel free to email [Sebastijan Dumancic](#) (be sure to put [KaW] in the subject line), or ask during the exercise session.