

DOM-E5058 Information Visualization and Design

Prof. Lily Díaz-Kommonen, Jyrki Messo

3 – 20 February, 2015

Schedule, week 2 (9-13 Feb.)

Day	Description
Tuesday, February 10	<p><u>Morning</u> 9:00-12:00, • <i>Presentations of Personal Timelines</i> • <i>What is time?, discussion.</i></p> <p><u>Afternoon</u> <u>Read and study:</u> • <i>Using Visualization to Understand Big Data</i> • <i>The Eyes Have It: A Task by Data Type Taxonomy for Information Visualizations</i> • <i>The Design of “X by Y”</i> (Articles are in Dropbox)</p>
Wednesday, February 11	<p><u>Morning</u> 9:00 – 10:00, <i>Introduction to Similarity clusters (SC) map tool</i>, Jyrki Messo. 10:30 – 12:00, <i>What is an ontology and how to create one</i>, Lily Díaz</p> <p><u>Afternoon</u> Teams do research to gather elements for ontology matrix. <u>Read and study:</u></p>
Thursday, February 12	<p><u>Morning</u> 9:00-12:00, teams do research to gather elements for ontology matrix.</p> <p><u>Afternoon</u> 13:00 – 15:00, teams create drafts of ontology matrix.</p>
Friday, Nov. 13	<p><u>Morning</u> 9:00 – 12:00, discussions of drafts of ontology matrix. Consultation with Jyrki about first results of SOM map. Resulting SOM file map must be edited (using Adobe Illustrator) into a Presentation Graphic in A3 format.</p> <p>Teams present final ontology visualization next Tuesday 17.02. Presentations should have SC maps, matrix analysis, and summary/abstract of concept behind the visualization.</p>

Ontology exercise – “In the context of computer and information sciences, an ontology defines a set of representational primitives with which to model a domain of knowledge or discourse. The representational primitives are typically classes (or sets), attributes (or properties), and relationships (or relations among class members).”

<http://tomgruber.org/writing/ontology-definition-2007.htm>

Ontology of religions – You could select a fixed number of religions and compare them to see if you can derive their classes. In this link below you will find a comparison between Islam, Christianity and Judaism. You could use this as a starting point.

http://www.religionfacts.com/islam/comparison_charts/islam_judaism_christianity.htm

Here is an example of the beginning of ontology of religions.

	Size	Monotheist	Polytheist	Reincarnation	Eternity
Christianity	9	1	0	0	9
Islam	7	1	0	0	9
Judaism	1	1	0	0	2
Buddhism	4	0	0	9	0
Hinduism	6	0	1	9	9

Ontology comic book characters

<http://www.empireonline.com/50greatestcomiccharacters/>

<http://www.pastemagazine.com/blogs/lists/2014/05/the-100-best-comic-book-characters.html>

Ontology of computer game – Here is an example that has already been done that you could use as a reference. See how you can improve it.

<https://classes.soe.ucsc.edu/cmcs080k/.../game-ontology-overview.pdf>

Ontology of Helsinki – Who, Where and How citizens live and make a city their own.

Ontology of mythical Greek Monsters

http://en.wikipedia.org/wiki/List_of_Greek_mythological_creatures