Open and Linked Data

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Abstract:

In this presentation, we will give a brief overview of the benefits of Open and Linked Data across four major sectors - academic, governmental, business and personal - and we will attempt to demonstrate that in all four sectors the benefits of open and linked data clearly outweigh the negatives. We also give examples of projects already exploiting the benefits of open and linked data. Futhermore, we will analyse the various standards in representing and storing linked data - such as N-Triples and XML - and their relative strengths and weaknesses. In addition, we will analyse some methods of querying and requesting linked data from the web - such as SPARQL. We are also going to look at what problem the semantic web solves and how it works. Ultimately, as a group, we have come to the conclusion that despite the possibility of accidental privacy invasions and possible loss of competition, that open and linked data presents a phenomenal opportunity to all four discussed sectors - assuming they can all adopt standardised approaches.

Keywords: