Mapping DDI-RDF Discovery
- a hackathon story ...

2013-12-04 EDDI-2013 French Data Archives for Social Sciences
In the midst of October ...
Hackathon goals

- Continue work to map from DDI-L to DDI-RDF ontology defined by DDIAlliance
  - Workshops at Schloss Dagstuhl - Leibniz Center for Informatics from 2011-12, EDDI 2012, GESIS 2013

- Deploy mapped DDI-L to Sparql endpoints
  - Jenna - Neo4J and ARC2

- Build proof of concept applications
A tough ride but doable
DDI-L mapping focus areas

Focus on:
- Variables
- Representation
- Code / Categories
- Questions
- Instrument
- Concepts / Universe
- And later study to subject relation

Image Credit: Thomas Bosch
Input and lessons learned

- Dialog / acknowledgment of work done by the Data without Boundaries project
- Verification of DDI-RDF model defining implementation state by real application
- Lead to a more complete mapping table for DDI-L to DDI-RDF
- Hacking / doing sprint work is worthwhile
Results and Demo

- DDI-L to DDI-RDF extended
- Build script - one xs1t
- Jenna import and test script
- ARC2 Sparql endpoint deployed
  - [http://ddi-rdf.borsna.se](http://ddi-rdf.borsna.se)
  - 2.2 million triples
    - DDA 33% collection
    - SND full collection
- Proof of concept RDF search
- Visual graph analysis
  - Gephi
Thanks - Q&A

- DDIxSLT project https://code.google.com/p/ddixslt/

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