

question list

1/6 do 19.

Slides 1 + Slides 2 q. on pc
from slide 3.

slide 3:

- x 3 types of RDF terms? p2.
- x what makes a RDF Graph? p2
- x all data can be encoded in RDF?
- x Challenges when translating data to RDF format? p5
- x why this insufficient? p6
- x why not used? Relfication in RDF standard.
- x it has dedicated vocabulary in RDF spec.
- x what is reification? p7
- x no bnodes in result when using RDB2RDF tool? p8

- X What is RDF?
 - ↳ Relation to Resource PF mapping Language.
- X RDB2RDF, challenges and solutions? Pg
- X dealing with order problem?
 - transform order information to RDF? ×4 ways Pg
- * (?) What Graph databases are there?
- * (?) take a look into SPARQL spec...
 - and try out using standard tools.
- Sparql 1.1 (2013) spec.
 - ... (take from slides)
- X What is turtle syntax? Pg, web
- X starting with "?" what are they?
- X how to spec. the limit size of result? Pg

X write a query that ask all resources IRIS with their labels?

P12

X find up to 10 people whose daughter is professor.

P13

X Count all triples in the db. P13

X detail should be spec. online. link up!

X Count all pred: categories! P13

*.f) practice. in real db!! wikidata.

X person with most friends.?

X find siblings.

X what is "solution set modifiers"?
some examples?

X 4 parts of a query lan.?

X What is a DESCRIPT query? P15

- x what is a var. in SPARQL ? P16
- x what is the "var. name"? P16
- x RDF does not allow letters as subject? why? - web (?)
- x what are turtle shortcuts?
does SPARQL support them?
- x does BGP = triple pattern?
- x SPARQL supports an extension of turtle? ✓ P17
- x Bnode ids are similar. P17
- x what is the meaning of Bnode within a query? P18
- x what is a solution mapping.
or solution seq. P19
- x the result is a multiset? P20
- x diff. between BGP and RDF Graph?
- x what does it mean? $\mu(\sigma(p)) \subseteq G$

- ✗ what is the result when we SPARQL? even SP(S)
 - : the multiset of the solutions
- ✗ what is the result? PROB
- ✗ what is BGP used for? DIF
 - for query conditions!
- ✗ "what is the solution to this BGP? (triple pattern)" PRO
- ✗ what does eq's mean?
 - entity?
- ✗ what is boolean queries in LGS? the result?
- ✗ SPARQL, based on pattern matching? ✓
- ✗ Why are we going to use LGS rather than Relational DB?
 - ↳ better modeling for the world.

Selvelt:

- × KG can also be used to query pls? ✓
- × what is file property of w:ridata? X3. (Good)
- × w:ridata in 2012? 2018. Pls
- × how w:ridata can be used in research place? Pl3. X3. roughly
- × what is w:ridata? from diff. points of view. Pl4
- × what is plurality in w:ridata? (Principles of w:ridata)
- × what means secondary data? Pl5

X what are two views of nifidata knowledge base?
which one are we going to use
P16

- X main content of nifidata?
- ↳ P18
 - X describe the items on a nifidata page! P33.
given a P10
 - X What are statements? P18
 - X What is a property page? P18
 - X diff. from entities?
 - X why use QIDs and PIDS? P19.
X3
 - X how to find nifidata ids for a given item? P19.
 - X qualifies? what is this? Annotion

- x what is the basic info. unit of n-ridates?
- x Entities can be items / properties
...? ✓
- x Datatype is spec in Property page? ✓ if why? how? what happened if?
- x example: what should be the datatype of "instructions" → web.
- x mark: claim / quantifiers / such
- x it helps automatically gen. links when you add sth.? ✓
- x how to distinguish "properties"
pg: p582. vs ps: p108. (?)
↑
quantifier Statement
- x some property is class of "qualities"
some not: endtime ✓ excludin

- X how statements be encoded as triples? → Q8. nt
 - ↳ use uriid → mark statement as the subject of a quantifier (?)
the statement it belongs to, can be marked with uriid to differ from other statements!
- X what is .ttl? .nt? .rdf? .json?
 - { better understanding ↪ better processing }
- X official description of statements, where to find?
- X change the property types?
- X which format used internally?
why?
- X why converted to RDF? Pxx
- X compare wikipedia's graph view with RDF! Pxx

X RDF binding? :
an export format of sth.

originally, wikidata didn't
use rdf format. so, we have
to design a binding to convert!

X prefixes are described by
data provider? export rdf
from wikidata: ✓

X what is verification? op46

X how to store annotations?
op46

X how to describe a note?
↳ "rdf:type" or "a"

X prefixes can be?
1. nodes
2. predicates

X explain prefix op50

- ✗ file Ambiguity mode?
what is fluent?
(a gen. /RR.) P27
- ✗ the resulting normalized
value is spe. stored?
- ✗ how to encode : (h::)
 1. Statements
 2. Labels, descriptions
Sitelinks P28
- ✗ how often updated and
how → dump data from
wiki X 2. P28
- ✗ what is WDQS?
- ✗ fact Query. ? ✓
- ✗ how WDQS been used?
↳ mobile case?
- ✗ DJ Application?

- X The challenge for query S?
- X Which DB used for wikit?
- X Speedup answer?
HTTP cache? New.
- X Scale, So far used in WQOL?
- X wikit: data is the knowledge base of wikipedia? ✓
- X how Content can be curr.
→ RDF? (who supp.. this?)

slide 5

- X what means eg:?
~~example arg!~~
- X find all descendants? P4
- X use (eg. has Father) ? P4
P5 → eg. has mother)
- X precedence of this? P6

- × "Set" representation of path syntax. P8.
- × property path patterns.
What is + best? P7
- × what are counted in SPARQL 1.1 ? P10
- × why not count all ? x2
P10
- × find all descendants of Birth that have comple.
--- p11.
- × what are filters for SPARQL?
P13.
- × how can one query with
spec. 1 an result? P13+W
- × end with xx?
x xx to check if one item exist?

X what means here? P14

X find places in Ger.
that towns end with
"-ow" or "-itz" P14

X Filters can only eliminate
answers? ✓

X Does the position of +/on
matter? ✗

X why and how reorder
multiple filters? why we
reorder them? P16.

Can not do filters, reason:

1. ~~(D1. At 12) (12) 12~~ 12 12 12 12

linked! ~~To 12. Friday 12 12 12~~