

Data Curation II: Course Overview

- Course Overview
 - Objectives + Expectations
 - Format
 - Assignments

Syllabus Review

Please read it.

Objectives

- Build upon Foundations of Data Curation (I)
- Further your knowledge of the structure and semantics of data
- Explore emerging topics (for which a foundational knowledge is necessary)
- Apply knowledge, gain feedback, and develop a product that can further your career
 - (In other words - I'm here to work for you as much as I'm here to work with you).

Overview

- Data Curation I is a foundations course - meant to **introduce** you the the ideas, practices, and tools of data curation
- Data Curation II assumes a base of knowledge, and enables you to go further in exploring the application of that knowledge
- The best curators in the world operate from what I call the Parson's Paradox: The more that you're interested in weird, difficult, hard problems the better prepared you'll be to solve weird, difficult, hard problems.

Types of Knowledge

Declarative

I know **that** something is the case...

I know that longitude is the geographic coordinate that specifies the east-west position of a point on the Earth's surface.

Often precedes and informs procedural knowledge

I know that XML is an encoding standard for structuring data...

Procedural

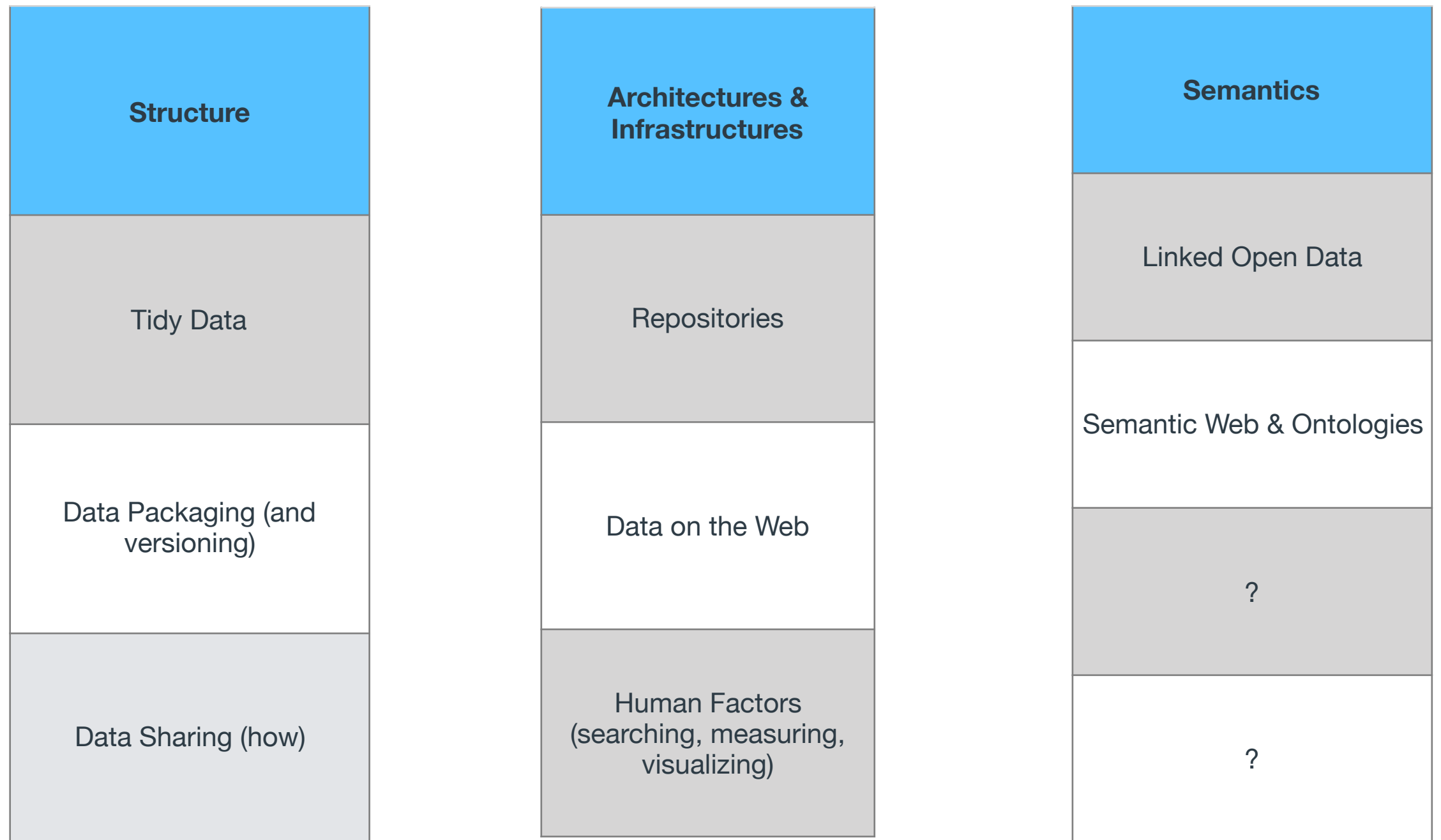
I know **how** to do something...

I know how to locate a point on a map given the Longitude and Latitude coordinates...

Often follows from declarative knowledge (but not always)

I know how (and when it is appropriate) to create well-formed XML encodings of free text data.

Course Format



Class Format

- Each week we will have:
 - Lecture (20- 30 min)
 - Case Study discussion (on forums)
 - Lab / Activity
 - The activities will often be geared towards the development of one or more components of your protocol.

Grades / Assignments

- On grading in graduate advanced courses:
 - I view the syllabus as our social contract
 - Your ability to complete assignments on time and in line with my expectations earns you full credit.
- Protocol ... 70%
 - But, cumulative... You will be scored along the way
- Case Study Discussion ... 15%
- Participation - 15%

Protocol

- Purpose: Write technical documentation that records curation decisions (how, what and why)
- The only requirement is that your protocol is thematically aligned with a type of data or a community of stakeholders that are real (not imagined / hypothetical).
 - Everything is negotiable, but you must meet with Week 3.
- Activities build towards your final deliverable (but this is not a staple together and turn in format).
- Look at the example I posted - it is excellent. In Week 3 we'll also look at some relevant real world examples of this kind of documentation.

Getting in touch with me.

Office Hours

By appointment. My favorite aspect of my job is working with students. So, use

Email vs Forum

General Questions (Will anyone else have this question?) : Forums

Specific personal questions and grading : Email me

24 hour grace period for response to the forum / emails.

If I don't respond please try again.