General Presentation and Class Structure

MPRI 2.26.2: Web Data Management

Antoine Amarilli

Friday, December 7th

Web Data Management

- A class about the Web and the data that it contains
- Strong practical aspects but connections to theory
    - e.g., XPath (practice) vs tree automata (theory)
    - e.g., SPARQL (practice) vs regular path queries (theory)

→ A way to see some practice within the confines of MPRI

→ A way to see some exotic theory motivated by practice

Teachers

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https://a3nm.net/

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Pierre Senellart

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Class time and modalities

- On Friday afternoon from 16:15 to 19:30 with break(s).
    - Sorry about your weekend plans...

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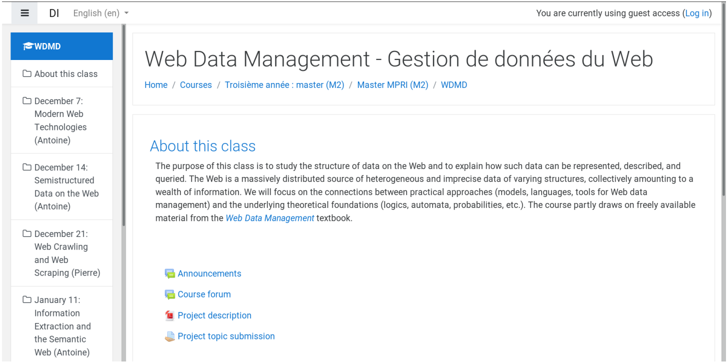
- Attendance is not mandatory but we have attendance sheets
    - So we can know whether you sometimes show up in class...

Moodle

`https://moodle.di.ens.fr/course/view.php?id=9` (cf wikimpri)



≡ DI English (en)
You are currently using guest access (Log in)
WDMD
About this class
December 7: Modern Web Technologies (Antoine)
December 14: Semistructured Data on the Web (Antoine)
December 21: Web Crawling and Web Scraping (Pierre)
January 11: Information Extraction and the Semantic Web (Antoine)

Web Data Management - Gestion de données du Web

Home / Courses / Troisième année : master (M2) / Master MPRI (M2) / WDMD

About this class

The purpose of this class is to study the structure of data on the Web and to explain how such data can be represented, described, and queried. The Web is a massively distributed source of heterogeneous and imprecise data of varying structures, collectively amounting to a wealth of information. We will focus on the connections between practical approaches (models, languages, tools for Web data management) and the underlying theoretical foundations (logics, automata, probabilities, etc.). The course partly draws on freely available material from the *Web Data Management* textbook.

- Please **register to the class** on Moodle!
  - **ENS students** can directly use the **SPI CAS** to login
  - **Other students** can create an account
  - **Everyone** can **self-enrol** to the class

What is Moodle good for?

- Finding the class material (slides, etc.)
- Ask questions (better than via email)
- Read questions asked by others
    - You can subscribe to notifications if you wish
- Submit your project (more soon)

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  - Scratching a personal itch
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→ Try to **have fun**! ;-)

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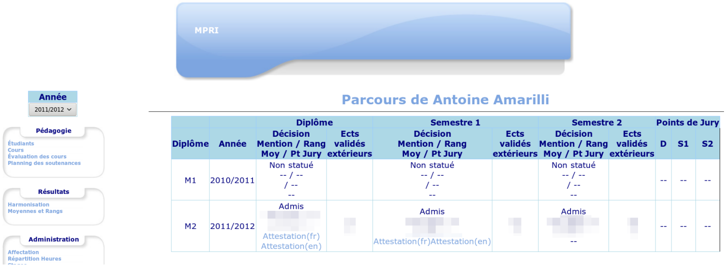
An MPRI disclaimer

I have been **in your shoes**, not so long ago...



MPRI

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Pédagogie

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Moyennes et Rangs

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Répartition Heures

Parcours de Antoine Amarilli

		Diplôme		Semestre 1		Semestre 2		Points de Jury		
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M1	2010/2011	Non statué -- / -- / -- --		Non statué -- / -- / -- --		Non statué -- / -- / -- --		--	--	--

M2	2011/2012	Admis
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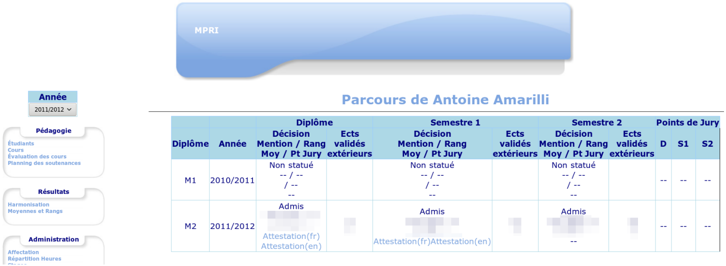

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What I remember from these days is not great…

- **Ultra-specialized** classes
- **No effort** to teach prerequisites
- Only relevant to people who want to **specialize** in the field
- Only **theory** and no **practice**

An MPRI confession

Now I'm a teacher and understand why teachers teach like that:

- They enjoy research more than teaching
- They are promoted based on research not teaching
- They are here to find PhD students to do more research
- They are short on time so…
    - Making complicated things understandable takes time
    - It's far easier to recycle existing slides about stuff you know!

Will this class be any different?

- Less incomprehensible theory and more shallow practice
- The project can be fun (hopefully)
- The class material/structure is probably not perfect, sorry...
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- ... but most of this class isn't so related to what I do, so...