

Lecture 1 - Knowledge Graphs in the Web of Data

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Autumn 2020



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Knowledge Graphs

Lecture 1: Knowledge Graphs in the Web of Data

1.1 Data, Information, and Knowledge

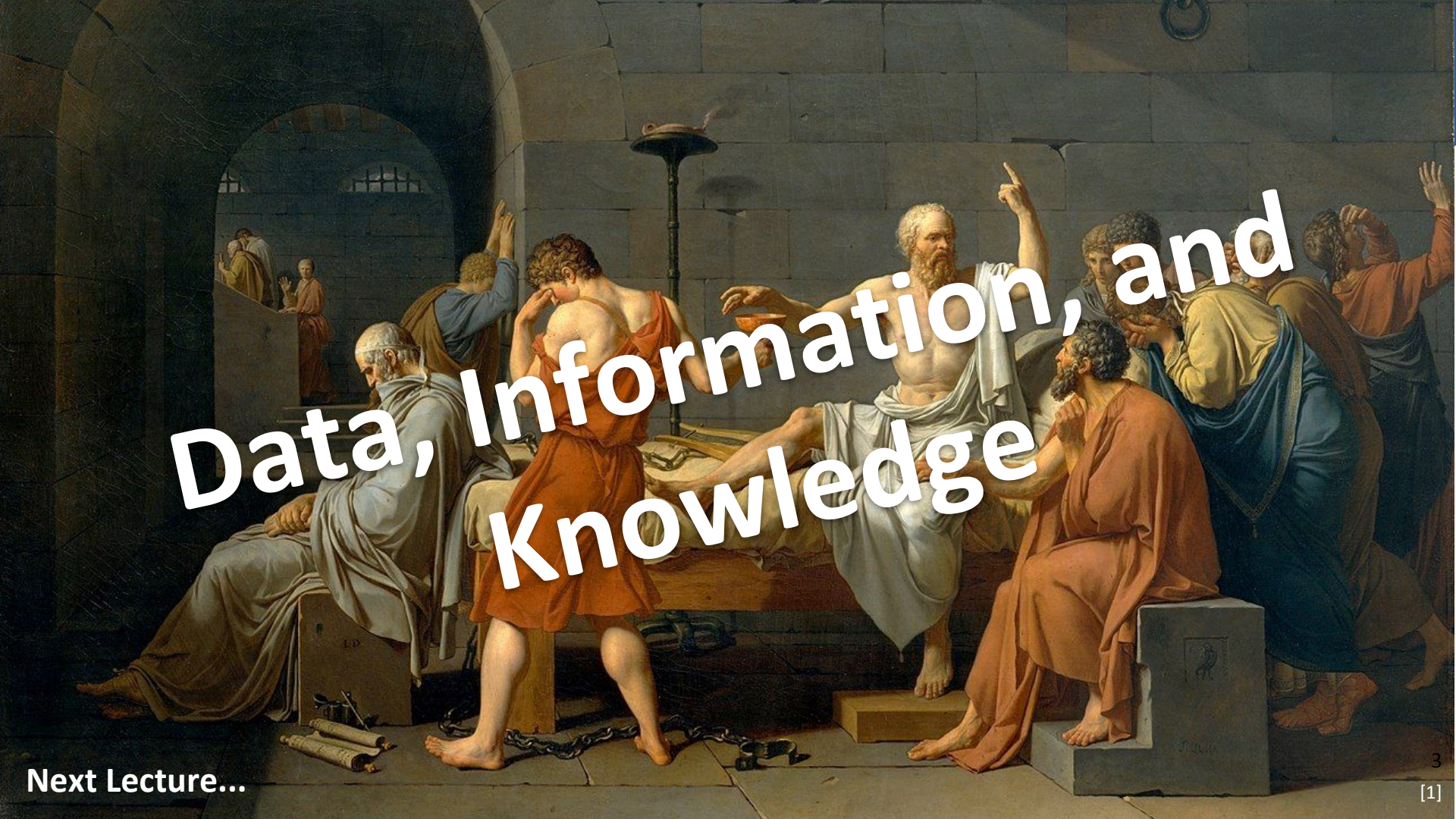
1.2 How to Represent Knowledge?

1.3 The Art of Understanding

1.4 Towards a Universal Knowledge Representation

1.5 The Semantic Web

1.6 Linked Data and the Web of Data

The background image is a detail from Raphael's fresco 'The School of Athens'. It depicts the philosophers Plato and Aristotle. Plato, on the left, is an older man with a white beard, wearing a grey robe, seated and pointing his right index finger towards the sky. Aristotle, on the right, is a younger man with a dark beard, wearing a reddish-brown robe, seated and gesturing with his right hand palm-down towards the earth. They are surrounded by other figures in classical attire, some standing and some seated, in a grand, vaulted stone hall. A large, white, semi-transparent text overlay is centered across the image.

Data, Information, and Knowledge

Next Lecture...

Picture References:

- [1] Jacques Louis David, The Death of Socrates (1787),
[https://commons.wikimedia.org/wiki/File:David - The Death of Socrates.jpg](https://commons.wikimedia.org/wiki/File:David_-_The_Death_of_Socrates.jpg)