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From Data Analyst To Data Scientist



		Data Analyst	Data Scientist	
	Technical Skills	Analytical thinking	Excellent math and statistics knowledge	Plus: New challenges: • Legal regulations • Ethical aspects • Data Governance
		DBMS / Data Modeling	DBMS / Data Modeling	
		Operation of tools (market analysis tools)	Data Mining	
		Apply proven analysis processes	Visualization	
		Programming knowledge advantageous but not necessary	Development of algorithms (front-to-end- solutions) Methodical abstraction of algorithms	
	ısiness Skills	Detailed domain knowledge	Subject-related background knowledge - interdisciplinary	
		Project management	Creativity, ideas: "finding the needle in a haystack"	
		Strong communication skills	Strong communication skills - "Data	

Science Teams"

Adapted / supplemented, source: "Assessing the demand for Big Data and Analytics Skills 2013 – 2020" (Forfás, 2014)



The WU Executive Academy Data Science Program





- Overview and case studies from different application domains (e.g. Marketing, Supply-Chain/Production Management, Process Management, Finance)
- Data Processing and Data Analytics: Concepts & Methods
- Selected case studies in depth

Module2

- Data Science project kick-off
- Legal and ethical foundations and data security
- Big Data methods and algorithms
- Data workflows, distribution, advanced techniques (e.g. Semantic Technologies, text extraction)
- Commercial Data Science Tools Fair
- Advanced Data Analytics

Module3

- Data processing and data analytics trends and outlook
- Application of Data Science
- Special guest talks by distinguished academic Speakers and experienced experts from practice
- Data Science project presentations

Academic Director

Prof. Axel Polleres

Duration:

Part-time, over 5 months (12 days, 3 modules)

Venue:

Vienna

Language:

English

Tuition Fees:

Early Bird Price: € 10,830 until June 30, 2018 Regular Price: € 11,400 Reduced fee for members of WU Alumni Club/WU Executive Club: € 10,260 Reduced fee for members of

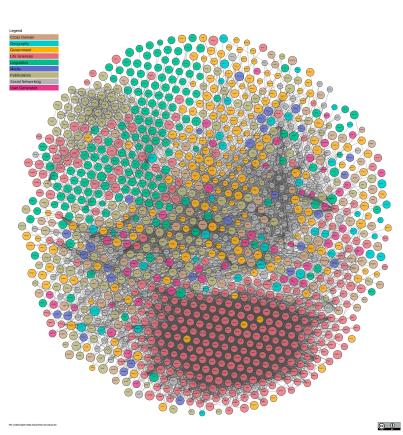
IOÖ: € 10,850

Cooperation Partner:

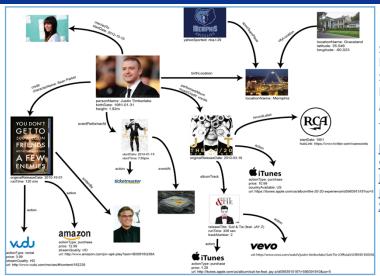


Where Data Science meets the Semantic Web





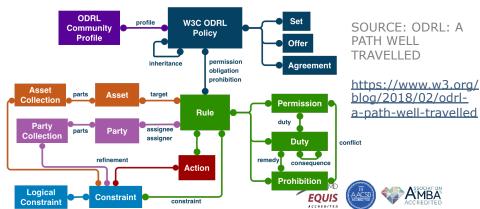
SOURCE: The Linked Open Data Cloud https://lod-cloud.net/



SOURCE: WHAT HAPPENED TO THE SEMANTIC WEB? PETER MIKA, KEYNOTE AT ACM HYPERTEXT, JULY 5, 2017

https:// www.slideshare.net/ PMIKA/WHAT-HAPPENED-TO-THE-SEMANTIC-WEB

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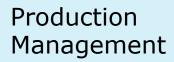


Highly Interdisciplinary and Interactive



Business Process

Management





Lectures/ Foundations



Interactive assignments/ Tools



Individual Module preparation



Knowledge Transfer

Methodological mix



Data Science Lab: Team-Work, Data Coaches

Information Business



Project Presentations



Tutorials/Fairs



Practice Discussions

Marketing

Mathematics & Statistics

For additional information





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