



CAS Blockchain, AI and Data Science for Finance

Terminplan von April bis Oktober 2023*

Version (002) 08.09.2022

KW 17		Datum	Zeit	Thema	Dozierende	Lekt.
Foundations of Data Science: Data Analysis and Data Visualization						
	Th	27.4.2023	08:30-16:30	Introduction to Data analysis using R	Branka Hadji Misheva	8
	Fr	28.4.2023	08:30-16:30	Introduction to Data visualization using R - Data narratives	Branka Hadji Misheva	8
KW 18/ 19						
Topics in Finance: Business Models, Sustainable and Decentralized Finance						
	Th	4.5.2023	08:30-16:30	Introduction to Decentralized Finance	Jörg Osterrieder	8
	Fr	5.5.2023	08:30-16:30	Introduction to Sustainable Finance	Jörg Osterrieder	8
	Th	11.5.2023	08:30-16:30	Data-driven Business Models, Service & Product Development, Data as Innovation & Innovation as Data	NN	8
KW 19 - 21						
Machine Learning and Artificial Intelligence in Finance						
	Fr	12.5.2023	08:30-16:30	Introduction to and applications of Machine Learning in Finance: Supervised learning; classification, regression, clustering and PCA	Branka Hadji Misheva	8
	Mo	15.5.2023	08:30-16:30	Introduction to and applications of Machine Learning in Finance: Unsupervised learning; Support vector machines; random forests	Jörg Osterrieder	8
	Di	16.5.2023	08:30-16:30	Introduction to and applications of Artificial Intelligence in Finance: Neural networks	Jörg Osterrieder	8
	Th	25.5.2023	08:30-16:30	Introduction to and applications of Artificial Intelligence in Finance: Neural networks, Trustworthiness and Explainability of Algorithms	Branka Hadji Misheva	8
	Fr	26.5.2023	08:30-16:30	Practitioners' view point: Experts from the Finance Industry on recent developments	NN	8
KW 22 -23						
Blockchain, Distributed Ledger and Smart Contracts						
	Th	1.6.2023	08:30-16:30	Foundations of Blockchain and Distributed Ledgers	NN	8
	Fr	2.6.2023	08:30-16:30	Bitcoin, Blockchain and Applications	NN	8
	Th	8.6.2023	08:30-16:30	Regulatory topics for Blockchain	NN	8
	Fr	9.6.2023	08:30-16:30	Case Study: Creating a smart contract in the Blockchain	NN	8
KW 24						
Big Data and Cloud Computing						
	Th	15.6.2023	08:30-16:30	Introduction to Big Data and Cloud Computing	NN	8
Sommerferien						
KW 42						
Abschlusspräsentationen						
	Th	12.10.2023	08:30-16:30	Final Presentations	Branka Hadji Misheva	8
	Fr	13.10.2023	08:30-16:30	Final Presentations	Jörg Osterrieder	8

- 15.06.2023 Abgabe Themenanalyse
- 05.10.2023 Abgabe Transferbericht oder anwendungsorientiertes Projekt
- 13.10.2023 Finale Beurteilung und Rückmeldung durch die Referent/innen

* Änderungen vorbehalten