

HZB Machine Learning Summer School 2021 (online-event)

10-Sep-2021		37. KW	13-Sep-2021		14-Sep-2021		15-Sep-2021		16-Sep-2021		17-Sep-2021	
Friday			Monday		Tuesday		Wednesday		Thursday		Friday	
Preparation		Lectures / Projects		Lectures / Hackathon		Lectures / Hackathon		Lectures / Hackathon		Hackathon / Results		
Beginners	Experienced		Beginners	Experienced	Beginners	Experienced	Beginners	Experienced	Beginners	Experienced	Beginners	Experienced
		08:45-09:00	Meet&Greet		Meet&Greet		Meet&Greet		Meet&Greet		Meet&Greet	
Toolbox intro	Tools & Server intro	09:00	Machine Learning at BESSY & Hackathon/School-Overview Gregor Hartmann		Neural Networks G.Hartmann		Higher Dimensions G. Hartmann		CNNs G. Hartmann		Tutorial Discussion	Hackathon project finalisation
		-										
Toolbox try-outs	Tools & Server try-outs	10:30	Reinforcement Learning for BESSY Luis Vera Ramirez		Hands-on tutorial #1	Hackathon projects	Hands-on tutorial #3	Hackathon projects	Hands-on tutorial #5	Hackathon projects		
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		12:00	Break		Break		Break		Break		Break	
		-										
		13:30	All project sketches		Optimizing a NN		Autoencoder		Decision trees		Project A results	
Individual toolbox problems	Individual toolbox/server problems	-	D. Meier, P. F.-Forson, F. Buettner		G. Hartmann	Hackathon projects	G. Hartmann	Hackathon projects	F. Moeller	Hackathon projects	Project B results	
Get together		15:00	Organization Jupyter	Project data introduction	Hands-on tutorial #2		Hands-on tutorial #4		Hands-on tutorial #6		Project C Results	
		-										
		16:30	Break		Break		Break		Break		Closing remarks	
		16:30-17:00										
		17:00	Trouble shooting (beginners and experts)		Keynote B. Sick, D. Kottke		Keynote D. Blythe, S. Lee		Keynote Peter Steinbach			
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		18:30										
			zoom:	Gregor	Jens	Pete	Tamara	Peter				