

	Monday	Tuesday	Wednesday	
8:00-8:30	Breakfast			
	Arrival	Lecture on Neural Networks (M. Felder)	Application Dataset II: Train your own neural network, continued/advanced (S. Rasp)	
		NNs in practice (S. Rasp)		
		Coffee Break		Guided Tour on Schneefernerhaus
		Train your own NN, Application Dataset I (S. Rasp)		
12:00-13:30	Lunch			
	Welcome	Practical Problems with NN (e.g. Preprocessing data) & different types of NN (CNN, Autoencoder, ...) (M.Felder)	Departure	
	Introductory Lecture on Machine Learning (M. Felder)			
	Introductory hands-on session: Jupyter notebooks, Data I/O, Pandas (S. Rasp)	Application Dataset II: Preprocessing data (S. Rasp)		
15:30-16:00	Coffee break			
	From Linear Regression to Random forests: Examples of traditional machine learning methods (S. Lerch)	Application Dataset II: Train your own neural network (S. Rasp)		
	hands-on session on linear regression and random forests, Application Dataset I (S. Rasp, S. Lerch)	Meteorological Applications (45 min M. Felder, 45 min S. Rasp & S. Lerch)		
19:00:00	Dinner			
	Fun with ML: non-meteorological applications			