

Wk			Title	Type	Topics	Quiz	Hand in	Géron (Ed2)	Géron (Ed3, digital)	Bradski
1.1/A	35	29/8/2022	Basic principles & set-up	Theory	Introduction Organization Why machine learning? Machine learning approaches Learning pipeline					
1.2/B	36	5/9/2022		Hands-on	Recap of workshop organization Assignment introduction ML portfolio template How to start? Conditioned acquisition Set-up Raspberry Pi with OpenCV and sci-kit learn			1-22	27-64	769-779
1.3/C	37	12/9/2022	Preparing the data	Theory	Thinking about data Splitting your data Feature engineering Exploring your data Data preparation			23-34 35-83	64-88 35-202	493-498 511-512 526-545 770-771
1.4/D	38	20/9/2022		Hands-on	Python primer Numpy Data collection example script					
1.5/E	39	26/9/2022	Supervised Machine Learning	Theory	Classification k-nearest neighbors Support vector machines Decision trees Random forests Bagging and boosting			85-109 153-162 175-178 189-208		799-848 859-864 875-906
1.6/F	40	3/10/2022		Hands-on	Basic segmentation and feature extraction Splitting your data Exploratory data analysis Feature engineering Data preparation	1 ML principles Classification				
1.7/G	41	10/10/2022		Hands-on	OpenCV Tutorial					
1.8/H	42	17/10/2022		No class						
	43	24/10/2022								
1.9/I	44	31/10/2022		No class			Prelim report data acq & prep (start of the week)			

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