1 Tu Th	Day uesday uesday uursday uesday uesday uesday uursday	Date 24/09/2024 24/09/2024 26/09/2024 26/09/2024 01/10/2024 01/10/2024 03/10/2024 03/10/2024 08/10/2024 10/10/2024 10/10/2024 15/10/2024 15/10/2024	Hour 11:30-13:00 13:00-14:30 16:00-17:30 17:30-19:00 11:30-14:30 16:00-17:30 17:30-19:00 11:30-13:00 13:00-14:30 16:00-17:30 17:30-19:00 11:30-19:00 11:30-13:00	Classroom R4 R4	Topic Introduction to the course Data exploration and visualization Python: introduction Python: introduction LAB 1: Python LAB 1: Python Python: Numpy Python: Numpy Data exploration and visualization Preprocessing and dimensionality reduction
1 Tu Th Th Th Tu	uesday nursday uesday nursday nursday nursday uesday uesday nursday nursday nursday nursday nursday nursday	26/09/2024 26/09/2024 01/10/2024 01/10/2024 03/10/2024 03/10/2024 08/10/2024 10/10/2024 10/10/2024 15/10/2024 15/10/2024	16:00-17:30 17:30-19:00 11:30-13:00 13:00-14:30 16:00-17:30 17:30-19:00 11:30-13:00 13:00-14:30 16:00-17:30 17:30-19:00	R4 R4 R4 R4 R4 R4 R4 R4	Python: introduction Python: introduction LAB 1: Python LAB 1: Python Python: Numpy Python: Numpy Data exploration and visualization
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3 Th T	nursday uesday uesday nursday nursday uesday uesday	03/10/2024 08/10/2024 08/10/2024 10/10/2024 10/10/2024 15/10/2024 15/10/2024	17:30-19:00 11:30-13:00 13:00-14:30 16:00-17:30 17:30-19:00	R4 R4 R4	Python: Numpy Data exploration and visualization
3 Tu Th Th Tu Tu Tu Tu Tu Th Th Th Th Th Th	uesday uesday nursday nursday uesday uesday nursday	08/10/2024 08/10/2024 10/10/2024 10/10/2024 15/10/2024 15/10/2024	11:30-13:00 13:00-14:30 16:00-17:30 17:30-19:00	R4 R4	Data exploration and visualization
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3 Th Th Th Tu Tu Th Th Th Th Th Th Th Th	nursday nursday uesday uesday nursday	10/10/2024 10/10/2024 15/10/2024 15/10/2024	16:00-17:30 17:30-19:00		Preprocessing and dimensionality reduction
4 Th Th Th Ttu Ttu Th Th Th	nursday uesday uesday nursday	10/10/2024 15/10/2024 15/10/2024	17:30-19:00	R4	
4 Tu Th Th Tu	uesday uesday nursday	15/10/2024 15/10/2024			LAB 2: Numpy
4 Tu Th Th Tu	uesday nursday	15/10/2024	11.30-13.00	R4	LAB 2: Numpy
4 Th Th Tu	nursday		1 11.00 10.00	R4	Preprocessing and dimensionality reduction
Th Th Tu			13:00-14:30	R4	Preprocessing and dimensionality reduction
Tu	ursday	17/10/2024	16:00-17:30	R4	Python: Pandas
	iui suay	17/10/2024	17:30-19:00	R4	Python: Matplotlib
	uesday	22/10/2024	11:30-13:00	R4	LAB 3: Pandas + Matplotlib
5 Tu	uesday	22/10/2024	13:00-14:30	R4	LAB 3: Pandas + Matplotlib
Th	nursday	24/10/2024	16:00-17:30	R4	ML preliminaries
Th	nursday	24/10/2024	17:30-19:00	R4	Empirical risk minimization
Tu	uesday	29/10/2024	11:30-13:00	R4	Empirical risk minimization
6 Tu	uesday	29/10/2024	13:00-14:30	R4	Model validation and selection
Th	nursday	31/10/2024	16:00-17:30	R4	LAB 4: Data exploration and visualization
Th	nursday	31/10/2024	17:30-19:00	R4	LAB 4: Data exploration and visualization
Tu	uesday	05/11/2024	11:30-13:00	R4	PROJECTS presentation
7 Tu	uesday	05/11/2024	13:00-14:30	R4	Model validation and selection
/ Th	nursday	07/11/2024	16:00-17:30	R4	LAB 5: Preprocessing and dimensionality reduction
Th	nursday	07/11/2024	17:30-19:00	R4	LAB 5: Preprocessing and dimensionality reduction
Tu	uesday	12/11/2024	11:30-13:00	R4	Metrics and hyper-parameter tuning
8 Tu	uesday	12/11/2024	13:00-14:30	R4	Learning through gradient descent
	nursday	14/11/2024	16:00-17:30	R4	LAB 6: classification from scratch
Th	nursday	14/11/2024	17:30-19:00	R4	LAB 6: classification from scratch
Tu	uesday	19/11/2024	11:30-13:00	R4	Techniques for classification and regressions
9 Tu	uesday	19/11/2024	13:00-14:30	R4	Techniques for classification and regressions
Th	nursday	21/11/2024	16:00-17:30	R4	LAB 7: supervised learning
Th	nursday	21/11/2024	17:30-19:00	R4	LAB 7: supervised learning
Tu	uesday	26/11/2024	11:30-13:00	R4	Clustering
10 Tu	uesday	26/11/2024	13:00-14:30	R4	Clustering
Th	nursday	28/11/2024	16:00-17:30	R4	LAB 8: supervised advanced
Th	nursday	28/11/2024	17:30-19:00	R4	LAB 8: supervised advanced
Tu	uesday	03/12/2024	11:30-13:00	R4	Clustering
11 Tu	uesday	03/12/2024	13:00-14:30	R4	Artificial neural networks (NN)
Th	nursday	05/12/2024	16:00-17:30	R4	Artificial neural networks (NN)
Th	nursday	05/12/2024	17:30-19:00	R4	PROJECTS Q&A
Tu	uesday	10/12/2024	11:30-13:00	R4	LAB 9: clustering
1 19 —	uesday	10/12/2024	13:00-14:30	R4	LAB 9: clustering
Th	nursday	12/12/2024	16:00-17:30	R4	LAB 10: NN with PyTorch
Th	nursday	12/12/2024	17:30-19:00	R4	LAB 10: NN with PyTorch
Tu	uesday	17/12/2024	11:30-13:00	R4	Regularization techniques
13 Tu	uesday	17/12/2024	13:00-14:30	R4	LAB 10: NN with PyTorch
Th	nursday	19/12/2024	16:00-17:30	R4	EXAM preparations
Th	nursday	19/12/2024	17:30-19:00	R4	EXAM preparations
WINTER HOL	LIDAYS				
Tu	uesday	07/01/2025	11:30-13:00	R4	
14 —	uesday	07/01/2025	13:00-14:30	R4	
Th	nursday	09/01/2025	16:00-17:30	R4	PROJECT Questions&Answers
Th	nursday	09/01/2025	17:30-19:00	R4	PROJECT Questions&Answers