

Program Advanced Data Analysis 2024-2025, Jan 6th - Jan 17th 2025					
Teachers	Yair Lakretz, Clément Léna				
Teaching assistants	Mattia Della Vecchia, Ambre Ledoux				
Coordinators	François Blanquart, Clément Léna				
	Monday 6	Tuesday 7	Wednesday 8	Thursday 9	Friday 10
Morning		Unsupervised learning	Supervised learning		
9-12	Introduction	Manifold Learning	Linear Classifiers	MLP	CNNs
	Clement	PCA/MDS/UMAPs	from Perceptrons to SVMs		
Afternoon		+ work with a Class		No class	
14-17	Background Math	Practical (Manifold Learning)	Practical (Linear Classifiers)		Practical (CNNs)
		+ Setting up python env			+ pytorch
17-18 (Project)	-				Project
	Monday 13	Tuesday 14	Wednesday 15	Thursday 16	Friday 17
Morning					
9-12	RNNs	Transformers	Project	Project	
Afternoon					
14-17	Practical (RNNs; pytorch)	Practical (Transformers)	Project		
				No class	
17-18 (Project)					Exam