

UML Schedule : Calendar

No.	Date	Topic	Readings*	Video lectures @ Berkley**	Deadlines***
1	QUI 07/05/2020	Introduction			
2	TER 12/05/2020	Likelihood-based models: Autoregressive models	L1c	https://youtu.be/zNmvH6OXDpk	
3	QUI 14/05/2020	Likelihood-based models: Flow models	L2a	https://youtu.be/mYCLVPRy2nc	HW1 out
4	TER 19/05/2020	Latent variable models	L3b	https://youtu.be/NCRzGmM1ywE	
5	QUI 21/05/2020	Latent variable models	L4a	https://youtu.be/0IoLKnAg6-s	
6	TER 26/05/2020	Bits back coding	L4b		
7	QUI 28/05/2020	Implicit models: Generative adversarial networks	L5c	https://youtu.be/grsO57XMJmK	HW1 due; HW2 out
8	TER 02/06/2020	Self-supervised learning: non-generative representation learning	L6b	https://youtu.be/5NMIUZ7_nrg	Final project out
9	QUI 04/06/2020	Non-generative representation learning	L6b	https://youtu.be/AC4l_MY2Dhc	
10	TER 09/06/2020	Strengths and weaknesses of unsupervised learning methods	L8a	https://youtu.be/7o9dT6puHHg	
11	QUI 11/06/2020				
12	TER 16/06/2020	Semi-supervised learning	L8b	https://youtu.be/7o9dT6puHHg	HW2 due
13	QUI 18/06/2020	Unsupervised distribution alignment	L9a	https://youtu.be/0AxgLbQfyjQ	
14	TER 23/06/2020	Representation learning in reinforcement learning	L11	https://youtu.be/Yvll3P1UW5k	
15	QUI 25/06/2020	Extra topic (Efros, The Revolution will not be Supervised)	L9b	https://youtu.be/PX11C5Vfo9U	
16	TER 30/06/2020	Extra topic (Radford, Language models)	L10	https://youtu.be/GEtbD6pgTTE	Final project due
17	QUI 02/07/2020				
18	TER 07/07/2020				
19	QUI 09/07/2020				
* Optional readings from the recommended readings at the end of each set of lecture slides (https://sites.google.com/view/berkeley-cs294-158-sp19/home)					
** Mandatory video lecture from the Berkley course we will be following (CS294-158)					
*** Due tasks indicate the day projects must be delivered. Unless otherwise stated, the deadline is at 23:58 of the indicated date. Note that the system closes automatically. Hence, plan your submission accordingly.					
All the projects (except the final project) have a second deadline of 3 days (see Syllabus for details) that follows the same constraints as the first deadline. Since this deadline is automatic, there will be no discrimination between 5 minutes or 3 days late. Plan your submission accordingly.					
References:					
- Articles from the literature					
- Lectures from the Berkley CS294-158 Spring 2019 (and updated on the Spring 2020)					