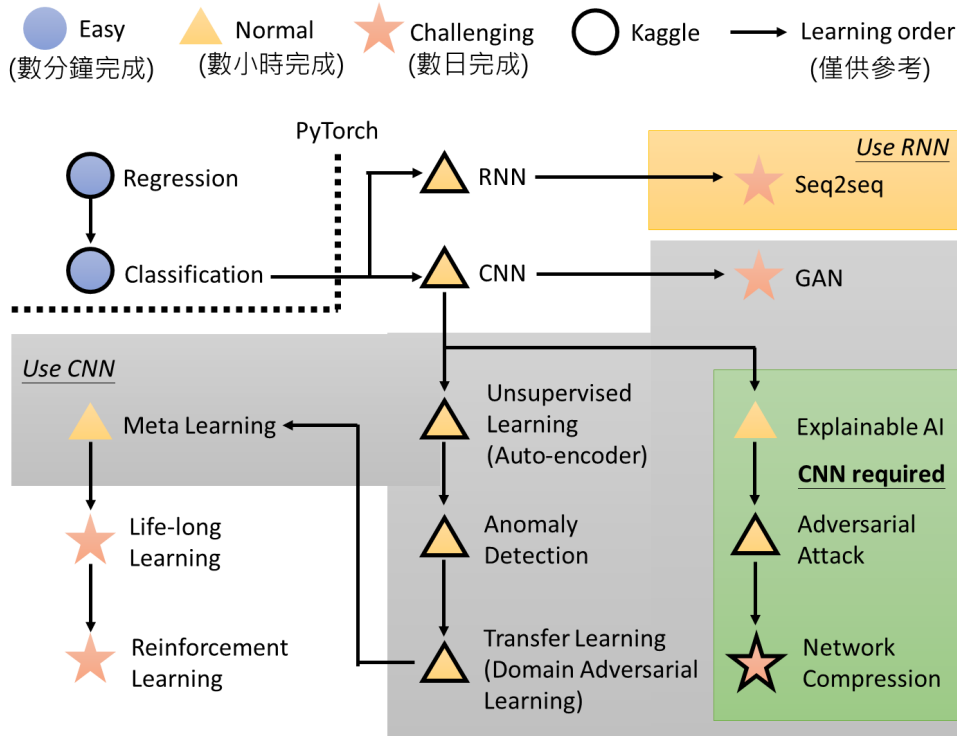


Learning Map



作業編號	線上學習	作業範例	作業說明	上課補充	繳交時間
課程簡介	Introduction (slide) , Rule (slide)	Google Drive 檔案存取			
作業一	Regression (slide) , Basic Concept (slide)	Regression	slide , video (助教: 楊舒涵)		3/26
Gradient Descent	Gradient Descent 1 2 3 (slide)			More about Gradient Descent 1 2 (slide)	
作業二	Classification 1 2 (slide 12)	Classification	slide , video (助教: 簡仲明)		3/26
DL預備	DL (slide) , Backprop (slide) , Tips (slide) , Why Deep (slide)	PyTorch 教學 (slide , colab , video , cheatsheet)	助教: 劉記良、陳建成		
作業三	CNN(slide)	CNN	slide , video (助教: 邱譯、趙崇皓)	GNN 1 2 (slide)	4/30
作業四	RNN 1 2 (slide) , Semi-supervised (slide) , Word Embedding (slide)	RNN	slide , video (助教: 黃冠博、邱譯)		4/30
作業五	Explainable AI (slide)	Explainable AI	slide , video (助教: 楊書文)	More about Explainable AI (slide)	4/30
作業六	Adversarial Attack (slide)	Adversarial Attack	slide , video (助教: 林政豪)	More about Adversarial Attack 1, 2 (slide)	4/30
作業七	Network Compression (slide)	Network Compression 1 2 3	slide , video (助教: 劉俊緯、楊晟)	4/30	5/21

		4	甫)		
作業八	Seq2seq (slide) , Pointer(option) (slide) , Recursive(option) (slide)	Seq2seq	slide , video (助教: 黃子賢)	5/07 (New Architecture)	5/21
作業九	Dimension Reduction (slide) , Neighbor Embedding (slide) , Auto-encoder (slide) , More Auto-encoder (slide)	Unsupervised Learning	slide , video (助教: 陳延昊、楊晟甫)	5/14 (Model Pretraining)	5/21
作業十	Anomaly Detection (slide)	Anomaly Detection	slide , video (助教: 謝濬丞)	5/21	6/11
作業十一	GAN (10 videos) (slide 1 2 3 4 5 6 7 8 9 10)	GAN	slide , video (助教: 陳延昊、吳宗翰)	5/28	6/11
作業十二	Transfer Learning (slide)	Transfer Learning	slide , video (助教: 劉俊緯、黃冠博)	6/04	6/11
作業十三	Meta Learning - MAML(slide) , Meta Learning - Gradient Descent and Metric-based(option) (slide)	Meta 1 2	slide , video 1 2 3 (助教: 姜成翰、高瑋聰)	6/11	7/02
作業十四	Life-long Learning (slide)	Life-long	slide , video (助教: 紀伯翰、黃子賢)	6/18	7/02
作業十五	RL 1 2 3 (slide) , Advanced Version (8 videos, option) (slide 1 2 3 4 5)	RL	slide , video (助教: 林義聖)	7/02	7/02