



**Curso de Posgrado:  
Clasificación de Imágenes con  
Redes Neuronales Artificiales**

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**Buenos Aires, 16-27 Marzo 2020**

**Programa Analítico Preliminar**

Teórica	Contenido
1	Review of Supervised Machine learning, Regression, Log Regression and Multi-class regression in Python, Introduction to Deep Learning, python lab
2	Linear classification, Loss functions, metrics, Pytorch lab
3	Stochastic gradient descent, learning rates, Neural Networks intuition
4	Introduction to Neural Networks, backpropagation,
5	Convolutional neural networks, convolutional layers, Max pool
6	Case studies: VGG, Alex Net, LeNet5, Transfer learning
7	Multi Label classification, Multi task learning
8	Image caption in Pytorch, Style transfer