Programa

Lunes 4 de septiembre

13:30 - 15:30
Introducción a Deep Learning -- Matthias Gallé (Naver Labs)
Basic introduction to supervised learning. Definition of loss function, derivation of logistic regression, SGD. Focus on the importance of the representation. Vector Space Model (Salton). Feature extraction for NLP. application to toy problem (NER without structured prediction, synonym prediction)

15:30 - 17:30
Aprendizaje con pocos ejemplos -- Jorge Sánchez (FaMAF - UNC / Conicet)

Martes 5 de septiembre

13:30 - 15:30
Introducción a Deep Learning -- Matthias Gallé (Naver Labs)
Hands-on. Code logistic regression from scratch, in sklearn format (transform_fit & predict_proba). Code some basic features extractors (using sklearn.pipeline)

15:30 - 17:30
Tagging y Parsing en Procesamiento del Lenguaje Natural -- Franco Luque (FaMAF - UNC / Conicet)

Miércoles 6 de septiembre

13:30 - 15:30
Introducción a Deep Learning -- Matthias Gallé (Naver Labs)
distributional representation of words. Firth 1963, Harris 1954. co-occurence matrix, point-wise mutual information. Bengio et al 2003, Mikolov et al 2013, Pennington et al 2014, Levy et al 2015

15:30 - 17:30
Express Deep Learning con Python -- Cristian Cardellino y Milagro Teruel (FaMAF - UNC / Conicet)

Jueves 7 de setiembre

13:30 - 15:30
Introducción a Deep Learning -- Matthias Gallé (Naver Labs)
advanced topics. supervised-fine tuning of word embeddings, the problem of homonyms, counter-fitting word-embedings (using prior knowledge), multi-lingual embedddings

15:30 - 17:30
Data Mining en Redes Sociales con Python -- Pablo Celayes y Gabriel Miretti (FaMAF - UNC / independientes)

Viernes 8 de septiembre

13:30 - 15:30
Introducción a Deep Learning -- Matthias Gallé (Naver Labs)
Hands-on. Change feature extractors to embeddings (gensim library).

15:30 - 17:30
Planning -- Carlos Areces (FaMAF - UNC / Conicet)