



SEMINAR ON LANGUAGE TECHNOLOGIES: DEEP LEARNING (2nd edition)

INFORMAZIO OROKORRA

IKASTURTEA: 2018/2019

ARLOA: Ikasketa Teknikoak

KREDITUAK: 4,5 ECTS kreditu (*)

MATRIKULA TASA: **180 €**

ARDURADUN AKADEMIKOA: Eneko Agirre Bengoa

AURKEZPENA

Deep Learning neural network models have been successfully applied to natural language processing, and are now changing radically how we interact with machines (Siri, Amazon Alexa, Google Home, Skype translator, Google Translate, or the Google search engine). These models are able to infer a continuous representation for words and sentences, instead of using hand-engineered features as in other machine learning approaches.

The seminar will introduce the main deep learning models used in natural language processing, allowing the attendees to gain hands-on understanding and implementation of them in Tensorflow/Keras.

ZURE BILA GABILTZA

Addressed to professionals, researchers and students who want to understand and apply deep learning techniques to text. The practical part requires basic programming experience, a university-level course in computer science and experience in Python. Basic math skills (algebra or pre-calculus) are also needed.

BALDINTZAK

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PRAKTIKAK

The optional practical labs in Tensorflow/Keras include the development of sentiment analysis software and deciding whether two sentences mean the same thing.

IRAKASKUNTZA

HASIERA ETA AMAIERA DATA: 2019/01/22tik 2019/02/07ra

EMATEKO TOKIA: UPV/EHUko Informatika Fakultatea (Donostia-**San Sebastián**)

HIZKUNTZA: Ingelesa

INFORMAZIO BULEGOA

KASTEGIA: UPV/EHUko Informatika Fakultatea (Donostia-**San Sebastián**)

SAILA: Lengoia eta Sistema Informatikoak

HELBIDEA: Manuel Lardizabal pasealekua 1. 2018 Donostia-**San Sebastián**

TELEFONOA: 943 01 51 72

POSTA ELEKTRONIKOA: amaia.lorenzo@ehu.eus, e.agirre@ehu.eus

WEB ORRIA: http://ixa2.si.ehu.es/deep_learning_seminar/