

Seminario (4 horas) a 15 aprox. estudiantes de doctorado de informática + profesores interesados

Lugar: Sala de juntas del Dpto. de Sistemas Informáticos y Computación (DSIC)

Fecha: seminario 18 de junio de 2018 (4 horas) H 10:00

Reuniones con estudiantes de doctorado y directores: 19 y 20 de junio de 2018

TITULO SEMINARIO: Deep Learning for information extraction in social media data

ABSTRACT.

The ability to automatically distill information running through social media platforms, generated by users and companies, is extremely relevant to understand current world-wide events, human behaviors, and more. However social media data is difficult to process automatically due to the ever-changing vocabulary, the flexible grammar, and other nuances of social media, such as mixed language text. This tutorial will present an introduction to deep learning models and the lessons learned about how and why linguistic patterns in social media break the models. Then I will motivate the need to model text at different levels to achieve robustness to noise, and the need to combine traditional machine learning with the muscle of deep learning architectures to design models that can successfully process social media data. The tutorial will cover different applications of this line of work, including information extraction, folksonomies generation, detection of invective, and detection of depression from user generated data.