Ciências ULisboa | Informática

Data Science Seminars

Friday

15

October

2021

A Utopia Hidden in the Internet, and the Large Language Models born there

Speaker
Lucas Dixon

Affiliation
Google Research

When
October 15th, 14h30

Where
https://videoconf-colibri.zoom.us/my/tjvguerreiro

Abstract

This talk is about the promises of the internet, toxic language, and the growing complex role of machine learning in society. I'll introduce the promise, and challenges of toxicity detection, along with various applications that have happened. This will provide a basis for introducing large machine learning models for language. While we have become accustomed to big data, and its many challenges, large language models seem to offer a new kind of utility for smaller high quality curated data, as well as a host of new applications. I'll be outlining some of the emerging challenges and opportunities.

Short bio

Lucas is a scientist in Google Research and Area 120 working on understanding the long term dynamics of recommendation systems. He is working on new ways to give users agency when interacting with recommendation systems, and exploring participatory approaches to the development of ML. Previously, he was Chief Scientist at Jigsaw where founded the engineering and scientific research efforts. While at Google and in Jigsaw, he has worked on range of topics including security, formal logics, machine learning, and data visualization. Before Google, Lucas completed his PhD and then worked at the University of Edinburgh on the automation of mathematical reasoning, graphical languages for quantum information. He also helped run a non-profit working towards more rational and informed discussion and decision making, and was a co-founder of TheoryMine.