

Die Fakultät für Informatik an der Universität Wien lädt Sie herzlich ein zum

CS-Colloquium

Expressive, Robust and Accountable Machine Learning for Real-world Data

mit **Dr. Isabel Valera** (Max-Planck-Institut für Intelligente Systeme)

Wann? 6. März, 13:00
Wo? Seminarraum 9 (SR9), Fakultät für Informatik
Währinger Straße 29
1090 Wien

Abstract

In this talk, I will start discussing the main challenges of the deployment of machine learning methods in real-world applications. Then, I will provide an overview of my research, where I aim to develop machine learning methods that are i) expressive to capture the complex statistical properties of real-world data; ii) robust to provide accurate uncertainty estimates on these properties; and iii) accountable to ensure fairness and interpretability. I will enter into details on how I handle biases in the data and enforce a fairness notion in the outcomes of decision making systems. Finally, I will briefly describe my research agenda towards a trustworthy deployment of machine learning in the real-world.