

Machine Learning Interpretability and Knowledge Graphs

Gastvorträge aus dem Department of Informatics, University of Évora

Machine Learning Interpretability

- Driving forces
- Taxonomy of Interpretability Methods
- Interpretable models
- Model-agnostic models
- Example based explanations
- Interpretability Assessment

Knowledge Graphs

- Introduction to knowledge graphs
- Graph data models and the languages used to query and validate them.
- Deductive formalism by which knowledge can be represented and entailed.
- Inductive techniques by which additional knowledge can be extracted.

Datum: 24. May 2022, 10-12 Uhr

Ort: BIBA Auditorium, Hochschulring 20

Anmeldung: bitte per E-Mail an courses@igs.LogDynamics.de

Zoom: <https://uni-bremen.zoom.us/j/97024933002?pwd=WEMyekQwbkZ4WUUwNjEwNHlybnZkdz09>

Dr. Teresa Gonçalves is an Associate Professor at the School of Sciences and Technology since 1999 with a PhD in Computer Science from the University of Évora. She is an integrated researcher of ALGORITMI research center. Her area of research is machine learning, with special application focus on textual data and images. She worked on text classification, named entity recognition and information retrieval; lately some work is related to the use of satellite images for observation of Earth and medical image classification. <https://orcid.org/0000-0002-1323-0249>

Dr. Vitor Beires Nogueira is an Assistant Professor at the School of Sciences and Technology since 2009 with a PhD in Computer Science from the University of Évora. His research area is Artificial Intelligence, with special focus on Knowledge Representation and Reasoning. Currently, he is supervising a PhD thesis that combines Natural Language Processing and Machine Learning to build a model of a language. He is also involved in a project that resorts to several Machine Learning approaches to predict traffic accidents. <https://orcid.org/0000-0002-0793-0003>

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