Mattia Setzu

Research fellow at the University of Pisa, Department of Computer Science

Pisa, IT

% msetzu.github.io/about

in linkedin.com/in/mattia-setzu-062b01158/

Publications

- Triplex: Triples for Explanation, Mattia Setzu, Anna Monreale, and Pasquale Minervini; to appear in The Third IEEE International Conference on Cognitive Machine Intelligence, Dec. 2021.
- GLocalX From Local to Global Explanations of Black Box Al Models, Mattia Setzu, Riccardo Guidotti, Anna Monreale, Franco Turini, Dino Pedreschi, and Fosca Giannotti; Special Issue on Explainable Artificial Intelligence, Journal of Artificial Intelligence, Feb. 2021.
 DOI: 10.1016/j.artint.2021.103457 | Download
- Global Explanations with Local Scoring, Mattia Setzu, Riccardo Guidotti, Anna Monreale, and Franco Turini; XKDD@ECML/PKDD, Proceedings for the The European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases, Sept. 2019.

DOI: 10.1007/978-3-030-43823-4_14 | Download

 SPARQL Queries over Source Code, Setzu Mattia, Atzori Maurizio;
Preceedings for the International Conference on Semantic Computing (ICSC), Feb. 2016.

DOI: 10.1109/ICSC.2016.65 | Download

Education

Ph.D. in Computer Science, Università di Pisa

Mov 2018 - May 2022

Pisa, IT

Thesis Opening the Black Box: Empowering Machine Learning Models with Explanations

Master's degree in Computer Science, Università di Pisa

Pisa, IT

Thesis Building Global Interpretable Classifiers Via Local Explanations **Score** 110 with honors/110

Bachelor's degree in Computer Science, Università di Cagliari

♥ Cagliari, IT

Thesis CodeOntology: a Java semantic database

Score: 103/110

Extra-curricular activities Startup Weekend Cagliari 2015 and 2016 edition; Semantic Web and Open Data seminar; Cagliari Open Data Day 2016; Contamination Lab UniCA, Semantic Web Lab.

Research Interests



Explainable AI

I focus on research and development of transparent machine learning models understandable by humans.

Software

GLocalX

github.com/msetzu/glocalx

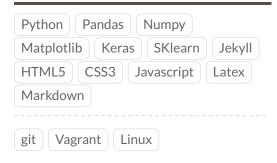
TripleX

github.com/msetzu/triplex

RRS

github.com/msetzu/rule-relevance-score

Skills & tools



Teaching experience

University of Pisa, Teaching Assistant

• Teaching assistant for the "Programming Fundamentals" course, a first-year course on programming fundamentals for Physics bachelor students.

Work experience

Need for Nerd, Back-end developer

Mov 2015 - Feb 2016

http://needfornerd.com/

• Developed back-end and the front-end of portal.