Valentina Ghidini

PhD Student · Statistics

Bocconi University, Milan

■ valentina.ghidini95@gmail.com |

valentinaghidini.github.io |

valentina.ghidini.

Education	
Bocconi University	Milan, Italy
PHD Fellow - Statistics	2019 - present
University of Turin	Turin, Italy
MSc, Stochastics and Data Science	2017 - 2019
 Thesis: Quantitative and Ontology-Based eXplainable Artificial Intelligence techniques for Computer Vision Grade: 110/110 summa cum laude, with special mention for the academic curriculum 	on
University of Milano-Bicocca	Milan, Italy
BSC, STATISTICS AND INFORMATION MANAGEMENT	2014 - 2017
 Thesis: Analysis of the scientific network in PubMed using Graph Databases Grade: 110/110 summa cum laude 	
Research Experience	
ISI Foundation	Turin, Italy
RESEARCH INTERNSHIP - DEEP LEARNING & XAI	Feb 2019 - Sep 2019
• Application of eXplainable Artificial Intelligence to Computer Vision and Convolutional Neural Networks	,
CRISP	Milan, Italy
RESEARCH INTERNSHIP - DATA SCIENCE	Sep 2016 - Mar 2017
Implementation of a Graph Database, exploiting NLP techniques, data & graph analysis	
Publications	
Published	
Ghidini, V. , Perotti A., Schifanella R 2019. Quantitative and Ontology-Based Comparison of Explanation fication. Machine Learning, Optimization, and Data Science. LOD 2019. Lecture Notes in Computer Springer	
Submitted	
Post-hoc Explanations through Probabilistic Sensitivity Measures, joint work with E. Borgonovo et al. (202	21+)
In Prep	
Bayesian nonparametric clustering of multiplex networks, joint work with D. Durante, O. Papaspiliopoulo	os.
Covariance structure of weak learners in boosting, joint work with D. Durante, O. Papaspiliopoulos.	
Linear models with assumptions-free residuals: a Bayesian nonparametric approach, joint work with F. As	scolani.
Dependence-free variable importance measures using graph structures, joint work with E. Borgonovo, C.	Rudin.
Presentations	
Conferences	

2021 INFORMS Annual Meeting

October 2021

Title: Post-hoc Explanations through Probabilistic Sensitivity Measures

joint work with E. Borgonovo et al. Anaheim, California (online)

OTHER

CEST-UCL seminar series on *Responsible Modelling in Uncertain Times*.

November 2021

Title: What assumptions do we make when using black box predictive models?

Panel discussion with C. Rudin, P. Beneventano.

(online)

Teaching Experience _____

Eall 2021	Fall 2021 Statistics - course 30001, Mathematics - course 30400, Teaching Assistant	Bocconi
Fall 2021		University
Caring 2021	ring 2021 Statistics, Teaching Assistant	University of
Spring 2021		Bergamo
Fall 2020 Chatistics assume 20001 Tarabias Assistant	Statistics assume 20001 Topobing Assistant	Bocconi
Fall 2020	Fall 2020 Statistics - course 30001, Teaching Assistant	University
Spring 2015	Mathematics, Tutor in a middle school	Istituto
		Comprensivo
		di Basiano

Certifications _____

Natural Language Processing with Classification and Vector Spaces (2021)

Institute: Coursera

Certificate number: GAJZ9GRHKN8D

PhD Beat - Bocconi Excellence in Advanced Teaching (2021)

Institute: Bocconi University

Deep Learning Specialization (2019)

Courses: Neural Networks and Deep Learning, Hyperparameters tuning, Sequence models, Convolutional Neural Net-

works.

Institute: Coursera

Certificate number: 9C4VZEV8YTW7

SAS Certified Base Programmer for SAS 9 (2017)

Institute: SAS Institute

Certificate number: BP069923v9

SAS Predictive Modeler Using SAS Miner 13 (2017)

Institute: SAS Institute

First Certificate in English (FCE) (2013)
Institute: Cambridge Institute

Certificate number: PMEM001296v13

Others _____

PROGRAMMING LANGUAGES

R, python, SAS: excellent SQL, cypher: intermediate C, C++, MATLAB: basics

LANGUAGES

Italian: native **English**: fluent

PROFESSIONAL MEMBERSHIPS

SIS - Societá Italiana di Statistica

IMS - Institute of Mathematical Statistics