

Daniel Barrejón

Universidad Carlos III de Madrid
Dpt. of Signal Theory and Communications
Avda. de la Universidad 30
Leganés, Madrid 28911

Date Birth: 13th July 1996
daniel.barrejon@uc3m.es
Lab 4.3.B01
LinkedIn: [in](#)
Github: [G](#)
Phone: +(34) 916248839
Personal Web: [H](#)

Positions	University of Amsterdam <i>Visiting Researcher:</i> Amsterdam Machine Learning Lab (AMLab) Supervisor: Dr. Eric Nalisnick	Mar. 2022 - Jul. 2022
	Universidad Carlos III de Madrid <i>Research Intern (Graduate):</i> Group of Multimedia Processing Research field: <i>Computer Vision</i> .	Oct. 2018 - Sept. 2019
	Universidad Carlos III de Madrid <i>Research Intern (Undergraduate):</i> Signal Theory and Communications. Research field: <i>Bayesian Statistics for Signal Processing</i> .	Sept. 2017 - Feb. 2018
Education	Universidad Carlos III de Madrid PhD student in Machine Learning. Advisors: Dr. Pablo M. Olmos and Dr. Antonio Artés.	Sept. 2019 - Present
	Universidad Carlos III de Madrid M.Sc. in Multimedia and Communications.	Sep. 2018 - Sept. 2019
	Technische Universität München Program: <i>M.Sc. in Elektrotechnik und Informationstechnik</i> . Erasmus Scholarship.	Oct. 2016 - Aug. 2017
	Universidad Carlos III de Madrid B.Sc. in Telecommunications Technologies Engineering.	Sept. 2014 - Sept. 2018
Teaching	Universidad Carlos III de Madrid <i>T.A</i> in Neural Networks (Bsc. in Data Science and Eng.)	2023
	<i>T.A</i> in Machine Learning in Health (Bsc. in Data Science and Eng.)	2022
	<i>T.A</i> in Systems and Signals (Bsc. in Biomedical Eng.)	2021, 2022
	<i>T.A</i> in Linear Systems (Bsc. in Telecommunications Eng.)	2021
	BBVA and Fundación Universidad Carlos III de Madrid <i>T.A</i> in Machine Learning Fundamentals	2021, 2022, 2023
	<i>T.A</i> in Natural Language Processing	2021, 2022
Projects	Deep-DARWiN Domain Alignment and Data Wrangling with Deep Generative Models.	Sept. 2019 - Present
	Real-time highway object detection Computer vision project using Deep Learning.	Oct. 2018 - Sept. 2019
	Detection of behavioural changes in psychiatric patients. Daniel Barrejón. <i>B.Sc. Thesis Dissertation</i>	Sept. 2017 - Oct. 2018
Summer schools	Gaussian Process Summer School (GPSS), University of Sheffield.	2020, 2021
	Nordic Probabilistic AI School (ProbAi), Norwegian Open AI Lab	2021
	Eastern European Machine Learning Summer School (EEML)	2021
	Machine Learning Frontiers in Precision Medicine (MLFPM).	2019, 2020

Publications	*Co-first authors. Order determined by coin flip.		
Journals	<u>D.Barrejón</u> , Pablo M. Olmos, A.Artés-Rodríguez Medical data wrangling with sequential variational autoencoders <i>In IEEE Journal of Biomedical and Health Informatics, 2021.</i>		
Peer-review Conferences	R. Verma*, <u>D.Barrejón</u> *, E. Nalisnick Learning to Defer to Multiple Experts: Consistent Surrogate Losses, Confidence Calibration, and Conformal Ensembles <i>Artificial Intelligent and Statistics (AISTATS), 2023.</i> R. Verma, <u>D.Barrejón</u> , E. Nalisnick On the Calibration of Learning to Defer to Multiple Experts <i>In ICML 2022 Workshop on Human-Machine Collaboration and Teaming, 2022.</i> <u>D.Barrejón</u> , Pablo M. Olmos, A.Artés-Rodríguez, Temporal-hierarchical VAE for Heterogenous and Missing Data Handling , Bayesian Deep Learning workshop @NeurIPS 2020, Poster presentation		
Reviewing	Artificial Intelligence and Statistics (AISTATS)		2023
	Multimodal Representation Learning (MLR) Workshop @ ICLR		2023
	I can't believe it's not better (ICBINB) Workshop @ NeurIPS		2022
Grants & Prizes	Top 10% reviewer in <i>Artificial Intelligence and Statistics (AISTATS)</i>		2023
	FPU Grant to fund doctoral Studies, Spanish Ministry of Education		2020
Courses	Generative Adversarial Networks Specialization [deeplearning.ai]	<u>Course Certificate</u>	
	Deep Learning Specialization [deeplearning.ai]	<u>Course Certificate</u>	
Volunteering	Volunteer and attendant in <i>Artificial Intelligence and Statistics (AISTATS)</i>		2021, 2022
	Tutor for Linear Algebra in Universidad Carlos III de Madrid		2018
	<i>Let's be friends with books</i> : Erasmus + project in Iğdır, Turkey (19 Apr.- 26 Apr.)		2017
Languages	Spanish : Mother tongue. English : Advanced User C1. French : Upper Intermediate User B2. German : Intermediate User B1.		
Computer Skills	Python, Matlab, Java, C, Latex. DL Frameworks : Pytorch, Tensorflow, Keras. Others : OpenCV, Git, Inkscape, Logic Pro X, Ableton Live.		
References	Dr. Pablo. M. Olmos, Universidad Carlos III de Madrid. Dr. Antonio Artés-Rodríguez, Universidad Carlos III de Madrid. Dr. Eric Nalisnick, University of Amsterdam.		