

Mastane Achab, PhD

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PUBLICATIONS

Distributional deep Q-learning with CVaR regression	NeurIPS, 12/2022
Checkered Regression	preprint, 02/2022
Robustness via distributional dynamic programming	preprint, 12/2021
Weighted empirical risk minimization	ESANN, 10/2020
Dimensionality reduction and (bucket) ranking	ALT, 03/2019
Profitable bandits	ACML, 11/2018
Ranking data with continuous labels	NeurIPS, 12/2017
Max k-armed bandit: on ExtremeHunter and beyond	ECML-PKDD, 09/2017

EXPERIENCE

Technology Innovation Institute (TII), Abu Dhabi, UAE AI Researcher	2022 - present
Pompeu Fabra University, Barcelona, Spain Postdoc researcher: distributional dynamic programming, safety	2020 - 2021
DeepMind, London, UK PhD internship: distributional (and deep) reinforcement learning, exploration	2019 (5 months)
Inria, SequeL team, Villeneuve d'Ascq, France Research internship: multi-armed bandit, shortest path problem	2015 (5 months)

EDUCATION

Télécom Paris, LTCI lab, Palaiseau, France PhD thesis: 'Ranking and Risk-Aware Reinforcement Learning'	2016 - 2020
École normale supérieure de Cachan, Cachan, France MSc 'MVA': machine learning	2015 - 2016
École polytechnique, Palaiseau, France MSc: applied mathematics, computer science	2012 - 2015

TECHNICAL STRENGTHS

Programming	Python, PyTorch, TensorFlow
Languages	French (fluent), English (fluent), Spanish (intermediate)