UNIVERSITÀ DEGLI STUDI DI MILANO

TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO   ID CODE: 4664

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at **Dipartimento di Informatica Giovanni degli Antoni**.

Scientist-in-charge: Prof. Nicolò Cesa-Bianchi

Pierre Laforgue

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	Laforgue
Name	Pierre
Date of birth	1st of February, 1993

PRESENT OCCUPATION

Appointment	Structure
Post-doctoral fellow	Télécom Paris (Machine Learning department)

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree	Mathematics and Physics	Lycée Henri 4, Paris 5th district	2013
Specialization	Applied Statistics	ENSAE ParisTech	2015
Master	Statistical Learning	ENSAE ParisTech	2016
Master	Statistical Learning	Paris Dauphine	2016
PhD	Machine Learning	Télécom Paris	2020

REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date of registration	Association	City
2016	French mobile application *Pollux Vote*	Paris

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Via Sant'Antonio 12 - 20122 Milano, Italia
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FOREIGN LANGUAGES

Languages	level of knowledge
French	Native
English	Fluent
Spanish	Intermediate

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2020	Research grant awarded by the industrial chair *Good in Tech* to study algorithms in presence of selection bias

TRAINING OR RESEARCH ACTIVITY

Year	Description
2017	Young Talent in Big Data during the France-Netherlands Erasmus Conference
2017	Participant to the Data Science Summer School by Polytechnique (Palaiseau)
2019	Participant to the Machine Learning Summer School (MLSS), South Africa

PROJECT ACTIVITY

Year	Project
2017	Predictive maintenance on helicopters (with Safran)
2018	Multi-dimensional time series visualization (with Safran)
2019	Energy saving in a silicon furnace (with Bearing Point and Ferroglobe)

PATENTS

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CONGRESSES AND SEMINARS

Date	Title	Place
2018	Learning Data Representations through Kernel Autoencoders	ENBIS, Nancy, France
2019	Autoencoding any Data through Kernel Autoencoders	Invited by Pr. Iwata Hiroyoshi at Todai University, Tokyo, Japan
2019	Autoencoding any Data through Kernel Autoencoders	AISTATS, Naha, Japan

2019	On Medians-of-(Randomized)-Pairwise-Means	ICML, Long Beach, USA
2020	Duality in vv-RKHSs with infinite dimensional outputs	Seminar Le Palaisien, Palaiseau, France
2020	Statistical Learning from Biased Training Samples	Seminar Datacraft, Online
2020	Duality in vv-RKHSs with infinite dimensional outputs	ICML, Online

PUBLICATIONS

Books	-

Articles in reviews
Statistical Learning from Biased Training Samples, P. Laforgue, S. Clémençon, Electronic Journal of Statistics, submitted

Congress proceedings
Autoencoding any Data through Kernel Autoencoders, P. Laforgue, S. Clémençon, F. d'Alché-Buc, AISTATS 2019, Naha, Japan
On-Medians-of-(Randomized)-Pairwise-Means, P. Laforgue, S. Clémençon, P. Bertail, ICML 2019, Long Beach, USA
Duality in RKHSs with Infinite Dimensional Outputs: Application to Robust Losses, P. Laforgue, A. Lambert, L. Brogat-Motte, F. d'Alché-Buc, ICML 2020, Online

Preprints
How Robust is the Median-of-Means? Concentration Bounds in Presence of Outliers, P. Laforgue, G. Staerman, S. Clémençon, Arxiv preprint, 2020
When OT meets MoM: Robust Estimation of Wasserstein Distance, G. Staerman, P. Laforgue, P. Mozharovskyi, F. d'Alché-Buc, Arxiv preprint, 2020

PhD Dissertation
Deep Kernel Representation Learning for Complex Data and Reliability Issues, P. Laforgue, Doctoral Dissertation, Institut Polytechnique de Paris, 2020

OTHER INFORMATION

Teaching Assistant	During PhD (2016-2019), classes taught: statistics, linear models, advanced statistical learning, applied machine learning, data mining
Reviewer	For NeurIPS since 2019, ICML since 2020, ICLR since 2021
Personal Webpage	https://plaforgue.github.io/ (github account: https://github.com/plaforgue)

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Place and date: Paris, September 1st 2020,

SIGNATURE