

AUDREY

POINSOT

CONTACT INFO

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ABOUT ME

I am a second-year Ph.D. student at INRIA (Paris, France) under the supervision of Marc Shoenauer and Alessandro Leite. At the **intersection of Causality and Machine Learning**, my current research project aims to improve decision-support tools with a specific interest in **robustness** and **uncertainty**. Having worked as a consultant for a year before starting my Ph.D., my research is driven by concrete applications. My goal is to **democratize the use of causal reasoning in statistical analysis** for decision-making by providing tools to create value easily, sustainably, and fairly.

EXPERIENCE

PH.D. STUDENT	2022-today
<i>INRIA Saclay, Paris Saclay University Gif-sur-Yvette, France</i>	
<ul style="list-style-type: none">Thesis topic: "Causal Uncertainty Quantification under Partial Knowledge and Small Data Regimes"Supervised two Master students on Causal Data Generation projects	
DATA SCIENTIST CONSULTANT	2021-2022
<i>Ekimetrics Paris, France</i>	
<ul style="list-style-type: none">Interpretability and Time Series: Decomposition of marketing actions' uplifts with SHAP on predictions of time series revenuesFew-shot Learning in NLP: Use of semi-supervised methods for Aspect Based Sentiment Analysis applications	
DATA SCIENTIST INTERN	2020
<i>Schlumberger Cambridge, UK</i>	
<ul style="list-style-type: none">Performed data-driven prognostics for Survival AnalysisResulted in the deployment of the solution on more than 14 equipment	
DATA SCAN TOOL ENGINEER INTERN	2019
<i>Schlumberger Paris, France</i>	
<ul style="list-style-type: none">Build a physical model of signal propagation in transmission linesApplied Machine Learning algorithms to detect and locate failures simulated through the physical transmission line model	

EDUCATION

- MSc in Applied Mathematics for Data Science** 2020-2021
CentralSupélec, Paris Saclay University | Gif-sur-Yvette, France
- Graduated with a GPA of 4.2/4, top 5%
 - Thesis in collaboration with the Paris **BNP** AI Lab: "GNNs for Financial Product Recommendation"
- Undergraduate engineering cycle** 2017-2019
CentralSupélec, Paris Saclay University | Gif-sur-Yvette, France
- Graduated with a GPA of 4/4, top 10%
- Preparatory classes** 2015-2017
Lycée Pierre de Fermat | Toulouse, France

PUBLICATIONS

- Articles** **A. Poinso**t and A. Leite (2023). "A Guide for Practical Use of ADMG Causal Data Augmentation". In: *Workshop on the pitfalls of limited data and computation for Trustworthy ML, ICLR 2023*. URL: <https://openreview.net/forum?id=kBcAZcKypug>.

CONFERENCES

- ICLR WORKSHOP ON PITFALLS OF LIMITED DATA AND COMPUTATION FOR TRUSTWORTHY ML** May 2023
Kigali, Rwanda
- Presented a poster
- THEMATIC QUARTER ON CAUSALITY** Spring 2023
Paris Grenoble, France
- Chaired some sessions
 - Presented a poster
- ELLIS DOCTORAL SYMPOSIUM** Sept 2022
Alicante, Spain
- Presented a poster
- MACHINE LEARNING SUMMER SCHOOL (MLSS22)** June 2022
Krakow, Poland
- Presented a poster

SKILLS

- Program Languages**
- Professional level: Python (PyTorch, sklearn, numpy, ...)
 - Intermediary level: R, Java, C++
- Data Science Frameworks**
- Slurm, Azure Databricks, Dataiku, Google Cloud
- Languages**
- French (native)
 - English (full professional proficiency)
 - Spanish (basic)

REFEREES

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