



# Paul de Nailly

January 23, 1995  
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 paul.denailly@laposte.net

## Networks

ResearchGate  
 GitHub  
 Personal/Professional Website

## Languages

French (native)  
English (TOEIC: 900/990)

## Technical Skills



## Programming

R  
 Python

## Hobbies

Running  
 Guitar and Composition (SoundCloud)  
 Surfing, Windsurfing, Kitesurfing  
 Writing (Blog)

## Experience

2023-2024 **Post-Doctoral Researcher - Gustave Eiffel University**  
*Working within the MobiTIC ANR project to study multimodal mobility of people in the Rhône-Alpes region. Implementing data fusion models and discrete choice models.*

07-12/2022 **MSc Internship Supervision - RATP Group**  
*Assisted and coordinated a project on statistical modeling of passenger flows on a transport line.*

09-12/2021 **Teaching Assignment - Gustave Eiffel University**  
*Data Analysis and Tools, 10 hours of teaching.*

## Education

11/2022 **Big Data, Methods and Practical Solutions for Data Analysis - Orsys**  
ETL, Data Analysis, Data Visualization

2019-2022 **Industrial PhD - Gustave Eiffel University / RATP**  
Topic: "Learning Methods for Analyzing Multi-source Numerical Mobility Data in Public Transport."  
**Keywords:** machine/deep learning, data analysis, data visualization, multi-source data, mobility, public transport.

04/2021 **6th IVADO/Mila Deep Learning School**  
Fundamentals and Terminology of Deep Learning. Courses and Practical Work.

2016-2019 **Engineering and Master's Degree - INSA Lyon / Claude Bernard University Lyon 1**  
Dual degree in Bioinformatics and Data Science.

## Publications

### Journal international

2023 **Deep probabilistic forecasting of multivariate count data with sums and shares distributions. A case study on pedestrian counts in a multimodal transport hub.**  
*IEEE Transactions on Intelligent Transportation Systems*

2023 **Multivariate count time series segmentation with sums and share and Poisson lognormal mixture models. A comparative study using pedestrian flows within a transport hub**  
*Advances in Data Analysis and Classification*

2021 **What can we learn from 9 years of ticketing data at a major transport hub? A structural time series decomposition.**  
*Transportmetrica A: Transport Science*

### Conférences internationales avec présentation

07/2023 Transportation Science and Logistics Society Conference Chicago  
06/2022 Triennial Symposium on Transportation Analysis Mauritius island  
09/2020 European Transport Conference Milan  
08/2020 TransitData Workshop and Symposium Toronto

## Awards

06/2021 Best Presentation Award - Doctoral Day of the MSTIC Doctoral School, Gustave Eiffel University