

Master II of Econometrics and Applied Statistics

Fond of data to modelise, I would take pleasure in improving risk management during a 6-month internship from march 2022



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Statistical Techniques

Time series – Scoring
Classification
Design of Experiments -
Monte Carlo

Programming :

Pascal (500h)	Matlab (300h)
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Java(100h)	VB-VBA (100h)
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Python (100h)	Fortran (200h)
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Data Analysis :

SAS (200h)
R (150h)
SPSS (50h)
LUMIERE (40h)

Languages :

Français (mother)
Anglais (IELTS 6.5 – B2 CEFR)

Training

- 2021 Master II Econometry and Applied Statistics, University of Orléans
- 2013 Master II Statistics for Evaluation and Prospective, University of Reims aborted
- 2006 Master II Plasmas' physics, University of Paris-Sud XI, Orsay, with honours
- 2004 Bachelor of Physics, University of Orléans, with honours, **1st/43**
- 2003 Second Year University Degree in Matter Sciences, University of Orléans, with honours, **2nd/87**

Academic projects

- 2013 **Design of a website c: master.ea.reims.free.fr**
Dynamic website designed with Wordpress (multidisciplinary collaboration in quartet - 4 months) for the Master's class, University of Reims
- Imaging segmentation through several classification techniques**
QT, K-means, FC-means et Otsu multi-class algorithms, GUI in Matlab (organization in pairs – 2 months)
- 2006 **Spectrum study of electronic speeds distributuon in a tokamak's plasma,**
MATLAB simulations of random walks (brownian and Lévy-flight type) organisation in pairs – written and oral communication(3 months)
- 2004 **Caracterisation dof XUV solar spectrum (TIMED satellite's data)**
Statistical analysis on Matlab (autonomy – bliographic search, and scientific calculations)

Professional experience

- 2014 - 2020 **Professor of mathematics and physics high school students,**
Academy of Orléans-Tours,
implementation of educational projects
- 2010 – 2012 **Junior medical physicist,** University Hospital of Limoges
Treatments and radioprotection in radiotherapy, nuclear medicine and radiology. Quality Assurance – Technological watch
- 2010 **Numerical Modelisation,** CEA Saclay (7 months)
Optimisation of Monte-Carlo simulations parameters (parallalelized code MPI - 200 processors - Fortran 90) with the Design of Experiments technique (3 factors Doehlert's plan) – multidisciplinary collaboration
- 2007 - 2009 **Professor of physics, high school level,** Academy of Orléans-Tours
Participation in school project – individualized monitoring of students

Areas of interests

- **Badminton** (R6/R6/D8) – President of ASPTT Orléans Badminton - Organisation of the first national tournament (doubles and mixed) in 2018 – 250 competitors – 3000 euros profit
- **Running** (Charity Team Marathon of Sully-Sur-Loire – 2019) - 2 teams of professors + 1 team of BTS students - 1 winning team in its category