

# MATTHIEU ROLLAND

STATISTICIAN SPECIALISED IN EPIDEMIOLOGY



## EXPERIENCE

- 2018  
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present
- **Statistician In An Environmental Epidemiology Research Team**  
Institute for Advanced Biosciences (Inserm) 📍 Grenoble, France
    - In charge of implementing a reproducible science program for the team
    - Supervisor of an M2 intern in biostatistics
    - In charge of Grenoble's R user group
    - Principal statistician for four publications + contributor to three more
- 2018
- **Statistician In A Neuro-Cognition Research Team**  
Laboratory of Psychology and NeuroCognition (CNRS) 📍 Grenoble, France
    - Methodological responsible for a two arm randomised trial including 750+ pupils from the Grenoble area
    - Stats advisor for the team's PhDs and researchers
- 2016  
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2017
- **Statistician In An Infectious Diseases Research Team**  
Bordeaux population health (Inserm) 📍 Bordeaux, France
    - Team principal statistician: analysis, presentation, teaching, counsel
    - Methodological advisor for a health NGO (Alima)
- 2015  
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2016
- **Statistician In An Environmental Epidemiology Research Team**  
Division of Dismorphology and Teratology (UCSD) 📍 San Diego, USA
    - In charge of statistical analyses
- 2013  
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2015
- **Statistician In A Neurosciences Research Team**  
Multimodal Imaging Laboratory (UCSD) 📍 San Diego, USA
    - Analyst + methods and tools developer for a researcher and his PhD
- 2013
- **Data Analyst**  
CareFusion 📍 San Diego, USA
    - In charge of the company's business intelligence data analysis team
- 2009  
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2012
- **Epidemiologist In Public Health Administration**  
French National Institute Of Public Health - Environmental Health Dpt. 📍 Paris, France
    - Two year training to field epidemiology
    - In charge of the national semen quality project and statistician on several other projects



## EDUCATION

- 2009  
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2011
- **Field Epidemiology Training Program**  
French National Institute Of Public Health - Environmental Health Dpt. 📍 Paris, France  
Two year training to field epidemiology, French equivalent to Epiet
- 2004  
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2009
- **Applied Mathematics And Biostatistics Engineering School**  
National Institute for Applied Sciences 📍 Toulouse, France  
Five year training to applied mathematical modelisation with a specialisation in biostatistics



## SELECTED PUBLICATIONS

- Rolland, M., J. Le Moal, V. Wagner, D. Royère, and J. De Mouzon. 2013. "Decline in Semen Concentration and Morphology in a Sample of 26 609 Men Close to General Population Between 1989 and 2005 in France." *Human Reproduction*
- Rolland, Matthieu, Sarah Lyon-Caen, Amrit K. Sakhi, Isabelle Pin, Azemira Sabaredzovic, Cathrine Thomsen, Rémy Slama, and Claire Philippiat. 2020. "Exposure to Phenols During Pregnancy and the First Year of Life in a New Type of Couple-Child Cohort Relying on Repeated Urine Biospecimens." *Environment International*
- Rolland, Matthieu, Nuala McGrath, Thierry Tiendrebeogo, Joseph Larmarange, Deenan Pillay, François Dabis, and Joanna Orne-Gliemann. 2019. "No Effect of Test and Treat on Sexual Behaviours at Population Level in Rural South Africa." *AIDS*
- Palmsten, Kristin, Matthieu Rolland, Mary F. Hebert, Megan E.B. Clowse, Michael Schatz, Ronghui Xu, and Christina D. Chambers. 2018. "Patterns of Prednisone Use During Pregnancy in Women with Rheumatoid Arthritis: Daily and Cumulative Dose." *Pharmacoepidemiology and Drug Safety*
- Mak-McCully, Rachel A., Matthieu Rolland, Anna Sargsyan, Chris Gonzalez, Michel Magnin, Patrick Chauvel, Marc Rey, Hélène Bastuji, and Eric Halgren. 2017. "Coordination of Cortical and Thalamic Activity During Non-REM Sleep in Humans." *Nature Communications*

## CONTACT INFO

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## SKILLS

R - Tidyverse  
MatLab  
Epidemiology  
Reproducibility  
Teaching

## PROFILE

Generalist  
Autonomous  
Organised  
Multivalent

## STRENGTHS

Data Visualisation  
Data Management  
Complex Regression  
Classification  
Cohort Data  
High Dimensional Data