Sergio **PEIGNIER**
Machine Learning | Data Science | Bioinformatics

@ sergio.peignier.zapata@gmail.com   in linkedin.com/in/sergiopeignier
🌐 sergiopeignier.github.io   ⌨ github.com/SergioPeignier
📱 +33 6 48 79 87 46   📍 142 Av. Roger Salengro, 69100 Villeurbanne

💼 Work Experience

2018 present	**Associate Professor** in **Computer Science**, Bio-Informatics and Modelling - BF2i, INSA, Lyon **Teaching :** Graph Theory, AI, Data Bases, Soft. Dev./Deploy., Linear Algebra, Stochastic Proc. **Research :** Gene regulatory network inference with **Machine Learning**.	`Python` `C/C++` `SQL` `Docker`
2018 10 months	**Post-Doc** in **Machine Learning**, ENS, Cachan **Transfer-Learning** and **Dynamic Network Modeling** (Industrial partner : Atos).	`Python` `Scikit-learn` `Keras`
2017 3 months	**Data Scientist** : **Deep Learning** algorithms for **time-series**, Atos Worldline, Lille **Anomaly Detection** for Toro Rosso F1, presentations to **IT & Commercial manager boards**	`Python` `Keras` `Scikit-learn`
2017 3 years	**R&D project** in **Data Mining - Machine Learning** , INRIA - INSA, Lyon **Conception** and **implementation** of **Machine Learning** algorithms, **supervision** of interns, **team work** with software engineers, **technological watch**, presentations at **international conferences** and writing of scientific papers and **European project deliverables**	`Python` `C` `Java` `R`
2017 2 years	**R&D project** in **Natural Language Processing (NLP)**, UMSA, La Paz Bolivia **International collaboration** with the faculty of linguistics of the state university of La Paz (UMSA), **Development** of **NLP software** applied to the **analysis of political speeches**	`Python` `nltk` `Gensim` `Scikit-learn`
2017 3 years	**Assistant teaching**, Department of Bio-Informatics and Modeling **INSA**, Lyon **Algorithms and Programming**,**Data Bases** and **Modeling** of **complex** biological **systems**	`Python` `SQL` `Matlab`
2014 7 months	**R&D project**, Artificial Evolution and Computational Biology team, INRIA, Lyon Implementation of a **computational evolutionary model** applied to **clustering**	`Python` `C` `R`
2013 1 month	**R&D project**, Laboratoire de Chimie théorique, UMSA, La Paz-Bolivie **Artificial Neural Networks** and **Genetic Algorithms** to analyze chemical compounds	`Python`
2013 4 months	**R&D project**, Genetic of Intra-Species Variations team, LBMC, Lyon **Statistical methods** to detect genetic regions of interest for Lesaffre enterprise	`Python` `R` `C`
2012 2 months	**R&D project**, Theoretical Chemistry Laboratory, UMSA, La Paz-Bolivie **Artificial Neural Networks** to predict the structure of chemical compounds	`Python`

🎓 Education

2017	Ph.D in Computer Science **Data Mining - Machine Learning**, INRIA, INSA Lyon
2014	Master in Computer Science, **Complex Systems** specialty, ENS Lyon
2014	Engineer degree in Bio-Informatics and Modeling, **jury congratulations**, INSA Lyon

🏆 Awards

|	
2018	**Best paper award**, Information Systems, at the **International ACM Symposium On Applied Computing**
2015	**Best paper award** at the **International ACM Genetic and Evolutionary Computation Conference**

💼 Computer Skills

⚙ **Programing**   **Python**, **Java**, **C**, **C++**, **R**, **Matlab**
🗄 **Data Bases**   MySQL, SQLite
🖥 **OS**   **MacOS**, **Windows**, **Linux**
📶 **Web**   **HTML**, **CSS**
✎ **Other**   **git**, LaTeX

🈂 Languages

> **French (native speaker)**
> **Spanish (native speaker)**
> **English (bilingual)**
> **Portuguese (good level)**
> **Italian (good level)**

👍 Interests

📌 **Science and Technology**   raspberry pi projects, evolution in biology, ...
🎵 **Music**   Guitar, transverse flute
⊚ **Sports**   Running, climbing