Estelle Rambier
Data Enthusiast junior

Amsterdam
☏ +33673862783
✉ estelle.rambier@hotmail.fr

Relevant Projects and Experiences

2018 **Data Scientist**, *Jugaad Analytics*, March 2018 - now.
— Develop a data analytics assistant chatbot from raw in Python : GUI (pyqt5), NLP (nltk)
— Extract business value out of engineering data : cleaning the data, building a featuring and predicting engineering failures with machine learning algorithms (NumPy, pandas, sklearn)
— Time Series as feature for predictive maintenance of industrial component (keras)

2017
2018 **Data Science Internship and short term contract**, *NP6*, 10 months.
— Built a churn model : extracting data from Elastic Search, filter with map reduce, building a featuring and using the team tools in JAVA to tune the models.
— Built a real-world recommender for Cdiscount in a production level : extraction from Elastic Search, then storage on Hadoop, then filter (map reduce in JAVA), then data modeling (JAVA), model selection and finally model deployment on ES.
— Implemented a confidence interval for ABn testing sample size

2016 **Challenge Open Bikes**, *Kaggle-like national competition, landed 4th out of 50.*
— Cleaned messy dataset, found strategy to handle missing values
— Dug into deep data analytics : extract relevant insights for building a creative featuring
— Time Series of number of bikes per station prediction (SARIMA)
— Chose right metrics and avoiding overfitting by validation and regularization (Scikit-learn)
— Innovated with meta models to reach the top of the leaderboard

2016 **Spam Filter**, *Master 1 thesis.*
— From text to features : tokenization, ngrams models, word embedding and relevant featuring (R-tm)
— Implemented and trained binary classification algorithms to detect Spam

Core Skills

Coding :	Proficient in :	R	Python	LaTeX	JAVA
	Familiar with in :	SQL	Elastic Search	Git	Scala

Technical : Machine Learning : *Unsupervised and supervised learning (clustering, regressions, model regularization).*
And familiar with : Deep neural nets, convnets, recurrent neural nets with TensorFlow : NLP task

Mathematics : *Multivariate calculus, Time Series, PCA, Hypothesis testing, metrics and KPI*

Languages : English ● ● ●   French ● ● ●   Dutch ● ● ●   Spanish ● ● ●

Education

2015
2017 **Master Degree in Applied Mathematics specialized in Statistic and Stochastic Modeling**, *University of Bordeaux.*

2012
2015 **Bachelor Degree in Mathematics**, *University of La Rochelle.*

Interests

Sailing : *Vice European Student inshore Champion 2014, Rolex Fasnet Race Finisher 7th (offshore sailing race), ISAF Certificate of Marine Survival (MACIF Centre de Voile), Sailing instructor, Windsurfing*

Cooking : *Traditional French and Italian food, Healthy lifestyle*