



# TANGUY VARET

## Data Scientist

Graduated from ENSAI, Engineer National School of Statistics, I'm passionate about applying my skills and methods for sport analytics. With my experience of researching for University College of Dublin and working for CA Brive, I'm determined to contribute to the world of high level sport through modeling and visualisations.

## PROFILE



23 years old



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Rennes & Dublin



Tanguy Varet

## SKILLS

- Programming Languages : Python, SQL, Java, C++.
- Statistical Softwares : Rstudio, SAS.
- Office Softwares : Microsoft Office, PowerBI, Latex.
- Soft Skills : Teamwork, Adaptability, Creativity, Communication.

## LANGUAGES

- French : Native
- English : Fluent (TOEIC 935)
- German : Intermediate
- Spanish : Intermediate

## INTERESTS

- Sports : Football, Table Tennis (Competition), Rugby and Golf
- History & Geography : Writing of a book about all countries history.
- Travels : Italy, USA, Ireland, Spain, etc...

## WORK EXPERIENCE

### ● Sport Data Scientist

CA Brive – Professional Rugby Club (ProD2) – Brive La Gaillarde  
Jul 2022 – Present

- Creation and management of the club's GPS and Performance databases (games and training sessions)
- Creation of individual and collective performance reports on training sessions and games using PowerBI, to optimize players' physical load of in collaboration with Head of Performance.
- Capture and storage of live training/games data.
- Creation of metrics and KPIs to assess players' performance
- Use of Statistical Method to predict and understand players injuries.

### ● Research Assistant in Data Science

University College of Dublin – Insight Centre for Data Analytics – Dublin  
Oct 2023 – Present

- Extension of the work on concussions during professional rugby games, with the data from CA Brive games.
- Development of Machine Learning algorithms to create games profiles based on position on the pitch, and to predict potential concussions.
- Use of Time Series to model matches.
- Research Paper in progress

### ● Research Assistant in Data Science (Intern)

University College of Dublin – Insight Centre for Data Analytics – Dublin  
April 2023 – September 2023

- Use of statistical methods on raw data to characterize and classify tackle and concussion events in professional rugby games, with data from CA Brive Games.
- Use of clustering methods to highlight dangerous tackling events and games with high risk events for better medical monitoring of players during and after the games.
- Use of machine learning methods to estimate the periods of play most likely to contain high-risk tackling events

## EDUCATION

### ● Master of Science in Statistics

Ecole Nationale de la Statistique et de l'Analyse de l'Information – Rennes  
September 2020 – September 2023

- Top french engineering school specialized in Data Science, Applied Mathematics, Computer Science and Economics
- Classes attended : Regression, Bayesian Models, Machine Learning, Deep Learning, Data visualization.
- **Quantitative Marketing & Revenue Management option – Marketing culture**

### ● Bachelor of Statistics

Université de Bretagne-Sud – Vannes  
September 2019 – September 2020

- Bachelor degree for Data Analytics and Statistical Modeling, with honors.

### ● Post-secondary preparatory classes

Université de Bretagne-Sud – Vannes  
September 2017 – September 2019

- Mathematics, Computer Science, and Statistics classes, with honors.