

Development of a statistical tool for specific sensory analysis

The missions of Data Insight Team (Scientific Computing Department) at L'Oréal is to work in close collaboration with Laboratory, Advanced Research and Product Performance Evaluation (including Sensory Science and Consumer Science) to help them into decision making.

Our help consists in providing tools, algorithms, decision rules... based on a statistical expertise.

The mission of this internship will focus on the collaboration with Product Performance Evaluation, specifically Sensory Science Teams.

Today many analysis specific to sensory science are performed with external software. We want to develop the ability of performing these analysis in an internal platform.

The aim of the internship will be to define what analysis are the most relevant to help sensory teams (among CATA, time intensity analysis, penalty analysis, free sorting...), set up adapted statistical methodologies and implement R code into an internal platform.

The main deliverable of this project are:

- An inventory of Sensory Science team needs
- A state of the art to understand how this type of algorithms are developed in other tools (XStat...)
- A ready-to-use tool in R
- A complete documentation on the methodologies and the way of using tool

What profile are we looking for ?

- Master 1 or 2 Data Science or Sensory and Statistic analysis
- Knowledge in Sensory Science: understanding of usual methodologies, data acquisition...
- Strong knowledge in statistical and multidimensional data analysis
- R/R Shiny programming
- French and English written and spoken communication efficiency
- You are well known for your incredible dynamism and your hands-on mentality
- Result-oriented: you are not afraid to tackle challenges and solve problems thanks to creative solutions
- You are a true team player, but also capable of working autonomously
- Scientific excellence is your moto – you pay strong attention to details and are always seeking for new ways to innovate

To better understand L'Oréal state of mind and to have more details on this offer, recruitment conditions... please consult this link (**mission 1 in the offer**) :

<https://www.linkedin.com/jobs/view/2173533950/?refId=xfX2PHmjSFjWV62h2DidKA%3D%3D>

Feel free to directly contact me for any information or with a CV at noemie.bertrand@rd.loreal.com