Internship Offer: Data Science Intern - Inria - Dyjest Project

Host Organization: Inria Lille

Duration: 4-6 months

- Start : between Feb 1, 2024 and Apr 1, 2024
- End: August 31, 2024

Application Deadline: Feb 1, 2024

Project Overview: Dyjest

Dyjest is an innovative project incubated at Inria Start-up Studio, focusing on the development of a smart tracker for individuals with Irritable Bowel Syndrome (IBS). Our aim is to leverage advanced data analysis, machine learning, and Natural Language Processing (NLP) techniques to aid in accurately identifying triggers and effectively managing this condition. This initiative stands at the crossroads of healthcare, technology, and personalized medicine, reflecting a cutting-edge approach to understanding and addressing IBS.

Internship Description:

Under the joint supervision of Mehdi Douch, project holder, and Emilie Kaufmann (https://emiliekaufmann.github.io/) from the SCOOL team (https://team.inria.fr/scool/) at Inria, a public research institute, the intern will have the opportunity to:

- Contribute to the development of predictive models and analysis tools for the Dyjest project, focusing on how user behavior impacts their symptoms.
- Work on decision-making processes, including dietary recommendations and diet maintenance.
- Gain invaluable experience in a cutting-edge research environment, contributing to a project with significant health implications.

Responsibilities:

- Engage in exploratory data analysis, especially focusing on synthetic data creation.
- Assist in selecting and designing predictive models, with a focus on interpretability.
- Contribute to framing a simplified version of our main problem, focusing on key factors like diet and symptoms.
- Collaborate in causality analysis and user-centric feature development.
- Explore decision making opportunities

- Participate in regular meetings and provide insights into the research and development process.

Qualifications:

- Enrolled in a Master's program in Computer Science, Data Science, or a related field.
- Strong foundation in statistical analysis and machine learning.
- Proficiency in programming languages relevant to data science (e.g., Python).
- Excellent problem-solving abilities and a strong interest in healthcare and research.
- Ability to work independently and collaboratively in a dynamic team.

Benefits:

- Opportunity to work in the Scool research group with many machine learning and sequential decision making experts.
- Hands-on experience in a project at the intersection of healthcare and data science.
- Exposure to real-world challenges in developing healthcare technology.
- Networking opportunities with experts in the field.

Application Process:

Candidates should submit:

- A CV highlighting relevant experience and skills.

Send applications to mehdi.douch@inria.fr and emilie.kaufmann@inria.fr, by Feb 1st 2024.

If you have any questions about the role or would like to discuss the opportunity further, please feel free to reach out to us for a chat.