Internships offer

Analysis of a survey on the barriers to mobility

Context

Unita is an alliance of six comprehensive research universities from five countries with different sizes and trajectories gathering together more than 160 000 students and 13 000 staff members. From west to east: Universidade de Beira Interior, Universidad de Zaragoza, Université de Pau et des Pays de l'Adour, Université Savoie Mont Blanc, Università di Torino, and Universitatea de Vest din Timisoara.

The Unita Alliance intends to build a fully-fledged European inter-university campus based on excellent teaching and learning, research and innovation, and on civic engagement. Its goal is to drive excellence in the European Higher Education area and become attractive also for students from other continents, especially Africa and the Americas, with whom we share common languages.

This three-year project gives the opportunity to collectively identify and find answers to barriers to long-term physical mobility, to experiment new forms of mobility.

In this framework, Unita has launched a survey during last winter, both for students and staff. Around 10,000 answers have been collected. In order to analysis these data, Unita is looking for two interns.

Mission

The two students will analysis the data collected through the survey. They will work toghether and will use collaborative tools like GitLab. The joint missions for them are the following

- merging and cleaning the datasets: there is one dataset per University and the survey was provided in all the five languages, plus in English;

- interpreting the results thanks to the classical statistical methods (multivariate analysis, classification) ;

- identifying the barriers to the mobility by considering a predictive model.

The analysis will be performed for each universities, but also jointly.

The expected outputs are :

- a full technical report containing all the analysis performed;

- a shorter report and a presentation, summarizing the results.

All these documents will be written in English and get by using Rmarkdown.

In the shorter report and in the presentation, some recommendations for removing the barrears to the physical mobilities may be adressed in the report.

Profile

Student enrolled in master degree in statistics and/or data science. A priority will be given to students from Universities in the Unita alliance. If possible, the two students will not come from the same University.

Specific skills: good knowledge in statistics and data analysis (multivariate analysis like PCA, classification, predictive analysis, etc.), proficiency in R and Rmardown.

Transversal skills: proefficiency in English, team working, communication.

Location

Due to the covid-19, only teleworking is possible. However, the two students will work daily together using ICT tools. In addition, regular online meeting with the supervisor(s).

Duration

The duration of the internship is two months, from June 7th to July 31th. Maximum of 35 hours per week.

Indemnity

Approx. 546 € per month (3.90€/hour).

Application

To apply, the student has to send by e-mail a CV, a motivation letter, a certicate of proficiency in English (either an official certification or an attestation by a teacher) and the contact of a reference person.

Application should be sent by June, 2nd.

Supervisors

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Contact

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