

Research position in data analytics

Vacancy

Research

The Data Analytics Laboratory within the Business Technology & Operations (BUTO) department at the Faculty of Economic and Social Sciences and Solvay Business School is looking for a highly motivated candidate with strong abilities and interest to perform research in the field of data analytics for carrying out a research project in close collaboration with a company, with the aim to obtain a Ph.D. degree in Applied Economics.

The topic of the research project concerns the development of a framework for integrating data analytics applications and the development of profit-driven data analytics to support customer relationship management, with the aim to optimize customer lifetime value, by analysing large amounts of structured customer interaction data, marketing campaign data and financial information. By integrating various types of analyses and predictions, the aim is to provide detailed and actionable insight and feedback for optimized managerial decision-making.

The candidate is expected to conceptually develop and implement these applications by analysing available real-life data in close collaboration with and at location of the involved company. The project will require a thorough study of analytical approaches as well as the specific field of application. Upon successful realization of the project, the candidate will dispose of a strong theoretical knowledge as well as practical experience in applying and implementing analytics projects within a company setting.

The **Data Analytics Laboratory** is a vibrant research team of data scientists which actively engage in research projects with the industry for developing innovative business applications of Big Data Analytics. For more information, visit www.data-lab.be

Teaching

- Teaching exercises related to the course Statistics II for economic sciences to bachelor students.
- Supervising bachelor paper and master thesis projects.

The teaching assignment relates to the research project, and will allow the candidate to reinforce his/her background knowledge on basic statistical principles, underlying the more advanced data analytical approaches.

Other

The candidate will have to assist in surveying the computer rooms (one evening per week, 18h-22h)

Further details

Place of employment: Brussels (VUB, campus Etterbeek).

For more information, please contact Wouter Verbeke:

+32 629 20 53 or wouter.verbeke@vub.be

Profile

The candidate has an academic Master degree in Engineering, Computer Science, Business Engineering, Applied Economics, Applied Sciences or Sciences (e.g. Mathematics, Informatics, etc.), and combines strong quantitative and problem solving skills with a profound interest in business and management.

Excellent written and spoken knowledge of Dutch and English

Preferably, the candidate possesses the following skills and knowledge:

- Knowledge of data analysis (statistics, analytics, machine learning)
- Programming skills (e.g., R, Matlab, SAS, Python, Java)
- Strong communication skills verbal and written (essential!)

Offer

As an employee of the Vrije Universiteit Brussel your days will be spent in a dynamic, diverse and multilingual environment. Both our campuses are set within green oases on the outskirts of the centre of the capital of Flanders, Belgium and Europe. This centre, with all its opportunities, is within your reach by public transport in under half an hour.

Depending on your experience and academic merits you will receive a salary on one of the pay scales laid down by the government. Hospitalisation cover and free use of public transport for travel to and from work are standard conditions of employment. If you would rather cycle to work, compensation is also available for that. Both campuses have extensive sporting facilities which are at your disposal and a nursery is within walking distance.

More information is available at www.vub.ac.be under the heading 'future employees'.

Additional information	
Planned starting date	01/12/2017
Length of contract	1 year, initially, extendable upon positive evaluation
Deadline for application	31/11/2017
Contact person	Wouter Verbeke
Contact telephone	+32 2 629 20 53
Contact e-mail	Wouter.verbeke@vub.be

Applications can be submitted directly by contacting wouter.Verbeke@vub.be or online via the website of the Vrije Universiteit Brussel:

<http://vub.talentfinder.be/en/vacatures/g/academisch-personeel/e/economische--sociale-wetenschappen--solvay-business-school/index.aspx#navigation-bar>

All applications must at least include the following attachments:

- A CV
- A concise motivation of the reason for applying including relevant experience (research activities, study stays etc.)
- A copy of the master degree