Internship or thesis at the “Analytics Center of Excellence” (ACE) of PostNL

Would you like to do an internship or thesis at the “Analytics Center of Excellence” (ACE) of PostNL? ACE is a group of five experienced data scientists and two data engineers that supports business functions by generating actionable insights from applying advanced statistical methods (e.g., regression models, clustering, decision trees, random forest, simulation, optimization) to Big Data. The ACE team guides these data projects from the beginning (defining the initial business question) towards the end (implementation of the solution). With the vast amount of data within PostNL, there are plenty of opportunities for improving and optimizing processes and customer experiences.

In the past ACE successfully completed many analytics projects, such as predicting the chance to successfully deliver a package, predicting which retail location will be too full, customer segmentation and optimizing delivery routes.

Currently, we search for a student who would like to work on a project in which we want to implement client notifications while the driver is already on the road. The project will cover the whole process of implementing these notifications. Thus, first, the required (real-time) data sources have to be identified and if necessary, data have to be collected; second, the design of the implementation has to made; third, the implementation has to be programmed; finally, the optimal way of notifying clients has to be identified. During the entire project, the student will work together with the ACE data scientists and there will be regular sessions with the business partner to discuss the progress.

The student can start per direct and the project should take at least 3 months. High Dutch language proficiency is a pre, but not a most. The student should have a good programming skills, ideally in R or Python, and excellent data-analytics skills.

In case you’re interested, please contact Helen Steingröver (helen.steingrover@postnl.nl). If the current time frame does not work out for you, feel free to inform about a different project at a later moment.