

# Research Plan: HEC-Research Fund 2017

## Analyzing Stochasticity in Mobility Profiles of Exchange Students

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In this document, we elaborate upon the current status of the study, the requirements regarding our experiments and the duration of this study.

Duration of the study: March 1 2018 - June 30 2018.

Type of experiment: The participants have to install an application of their smartphones during the study phase. In addition, they have answer survey questionnaires.

We do not require any additional technical support. We have developed our own application and the complete infrastructure to collect the required data. Therefore, we will handle all the technical aspects on our end.

In order to gather participants for this study, we will self advertise our data collection campaign as we intend to specifically involve exchange students, who might not be present in the current UNIL databases. However, if we cannot get the required number of participants before the start of our study (1 week before), we will contact you to get some participants from the ORSEE database. However, in ideal situation this action would not be necessary.

We have already set-up a webpage to collect the study participants, <https://bread-crumbs.github.io/>. Here, we provide all the necessary information for the participants regarding the data collection campaign.

In addition, we have also set-up a survey questionnaire to recruit the required participants in the study: <http://doplab.unil.ch/limesurvey/index.php/185277?lang=en>.

The application to collect the data is in the debugging phase and we will begin one week of testing starting from February 1 2018, in order to make the final changes necessary.

We have already started collecting information about interested candidates for this study based on the survey questionnaires. Based on their mobility behaviors, we will select a final list of the study participants.