

Bachelor's/Master's Thesis

Unsupervised Learning for the Identification of Health Patterns

In the scope of the LUST-study, thousands of data sets were acquired to estimate and analyse the health state of students at the University of Lübeck. However, only about 2 % of the data reflects a student's health for the complete time from the first to the last semester. By inferring general health patterns from this small, but complete data set, missing data could be estimated to use the extensive data set optimally.

Tasks

You will develop data-driven models of student health trends. Methods of unsupervised learning will be utilized to identify and track health patterns over time. You will work in an interdisciplinary team of public health scientists and machine learning researchers.

Qualification

- Interest in data science and machine learning
- Experience with Python and/or Matlab
- Experience in unsupervised learning or statistics is a plus

This work is a joint project together with the Institute for Social Medicine and Epidemiology.

Interested? Contact Jannis Hagenah at hagenah@rob.uni-luebeck.de
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