Doing your internship or master thesis with the Data-Science Team at EOS

The EOS Group, a company in the Otto Group, is a leading provider in claims management. We are always improving ourselves, thanks to our employees in over 25 countries, who are actively involved in shaping our success. To this end, we greatly value a fair, solution-oriented and trustful working atmosphere.

The Data Science team within EOS is responsible for both the design and implementation of automatic, data-driven methods for debt collection and the statistical evaluation of debt collection strategies.

Who are we looking for?

- Students currently doing a master in computer science, mathematics or a similar topic
- With some experience in machine learning or statistical modelling (in private projects or university courses)

What will you be doing at EOS?

Currently, we mainly steer debt collection activities (sending a letter, calling the debtor, going to court) using a state machine that decides which debt collection activity to perform on each debt at each time, based upon expert knowledge. However, we would like to move toward a more data driven approach for debt collection. You can help us with that!

Topics for an internship or master thesis project with us include (but are not limited to):

- Exploring if and how our statistical models for debt collection can be improved with alternative machine learning methods (deep learning, SVMs, PGMs, ..) and/or enhanced feature sets (geoscore)
- Exploring reinforcement learning for debt collection
- Doing/analyzing live tests on groups of debtors to try out different debt collection strategies or even help us develop and try out better methods for this (for example: Bayesian Testing)

Why intern at EOS?

- You will work on interesting topics using modern data science methods on a massive dataset (19 million active debts of 12 million debtors and the history and results of various debt collecting activities on these debts from the last 15 years)
- We take your contribution seriously and will provide dedicated supervision. Your supervisor has experience in academic research and taught at one or more universities
- Hamburg is a cool city and we are conveniently located in it: minutes away from both the city center and the Alster lake
- Last but not least: EOS offers a handsome salary

Interested? We are looking forward to your application (CV + motivation letter)

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