

## Master or Bachelor thesis on the topic

### “Developing Analysis Tools for Data from WhatsApp, Facebook and Instagram ”



#### What is it about?

We have developed a data donation platform on which people can donate de-identified messaging data from WhatsApp, Facebook or Instagram. Using this tool, we collect data on the timestamps and length of the messages, **without having access to any personal information**. We now want to develop a Python toolkit for researchers to easily analyze this type of data.

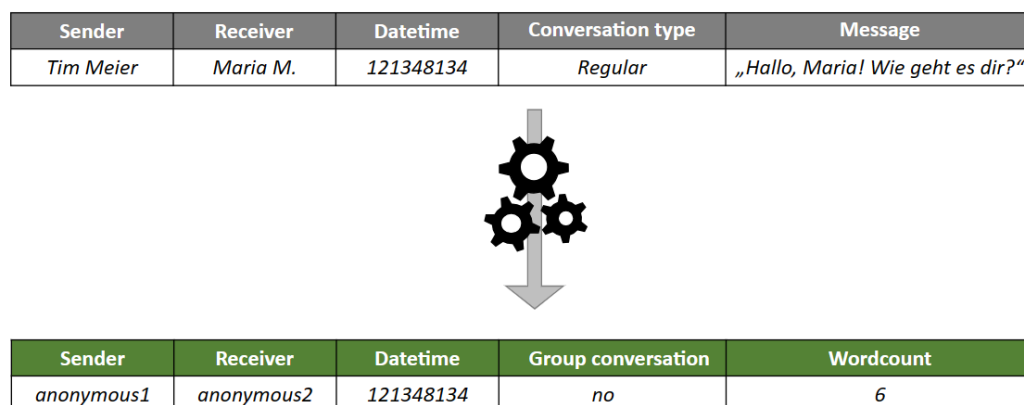


Figure 1 De-identification of messaging data prior to donation

#### The project goals are

- 1) Consult the literature to compile a list of relevant analysis metrics
- 2) Implement these metrics in Python
- 3) Bind everything together in a nice Python package!
- 4) We strongly aim this work toward a publication in a research journal!

#### How to apply?

Students interested in the topic are invited to send an email with their

- CV
- Transcript of records
- Short interest statement (in the email) mentioning relevant experience

#### Requirements

- Good command of Python: you feel confident that you can create a Python package from scratch
- Good command of English is a bonus for navigating the literature

**We will adjust the project to match the workload required for a Bachelor or Master thesis!**

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