

Two Doctoral Positions in Data Science and Network Analysis

under the guidance of

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Department of Informatics
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<https://www.ifi.uzh.ch/en/dag.html>

The Data Analytics Group at the Department of Informatics of University of Zurich invites applications for **two PhD student positions**. Both positions are fully funded for four years through a project on **Next-Generation Network Analytics for Time Series Data** supported by the Swiss National Science Foundation. In our project we will develop new data analysis and machine learning techniques for time series data on complex networks.

We will further implement our methods in a software package that builds on the prototype implementation `pathpy`¹. Collaborations with the Swiss Data Science Center² and a partner from industry gives us unique opportunities to apply our methods in practice.

To reach the goals of our project, we look for **applicants who fulfil the following criteria**:

- ▶ Master degree (or equivalent) in a data science related field (computer science, mathematics, statistics, natural sciences, computational social science, etc.)
- ▶ Strong skills in statistical data analysis, machine learning, and/or network science
- ▶ Experience in software development, ideally in `python` or `C++`
- ▶ Strong communication skills and an ability to work in an interdisciplinary and English-speaking team
- ▶ Interest in interdisciplinary applications of data science in empirical software engineering, computational social science, and bioinformatics

In return, we offer **excellent research conditions in a young team**, working at one of Europe's leading universities located in one of the world's most livable cities. You will receive an internationally competitive salary, first-class mentoring throughout your PhD, and get access to a collaboration network with some of the world's leading research groups in network analysis and data science.

Interested?

Please send your application (including motivation letter, CV, publications (if any), and grade transcripts) as a single PDF via E-Mail to scholtes@ifi.uzh.ch.

While the starting date is negotiable, positions are available **from August 1st 2018**. The review of applications starts on June 1st and continues until the positions are filled.

More information on our research can be found on <http://www.ingoscholtes.net>.

For any further inquiries please contact scholtes@ifi.uzh.ch.

¹<http://www.pathpy.net>

²<http://www.datascience.ch>