Data & Network Analyst

Social Network Analysis of Crime Networks

Complexity Science Hub Vienna

€ 50,000 gross/year (40h)*

The Complexity Science Hub Vienna is a young research institution dedicated to a deeper quantitative and predictive understanding of complex systems for the betterment of society. We provide an exciting, creative, bureaucracy-free environment for open-minded visionaries who want to make a change and are brave enough to step out of mainstream science.

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RESEARCH TOPIC

The successful candidate will conduct research work in social network analysis. He/she will develop statistical methods and simulation tools that can be used for strategic analysis of social networks in the context of crime. The objective is to develop and apply innovative tools from data, network, and complexity science to understand the organization and social interactions of crime. This includes work on interactive graph analysis networks, use of graph data for research purposes, method development, and the analysis of big data.

YOUR PROFILE

We are seeking an excellent data/network/complexity analyst at the Master's or PhD level who brings experience, interest, and enthusiasm for performing social network analysis. He / she has good programming (e.g., Python, R, Julia), modelling and quantitative skills. Knowledge of data transformation and orchestration tools like DBT and Dagster are a plus. We are looking for a critical thinker who is open-minded, enjoys collaboration, and is comfortable working in an interdisciplinary environment that works in network and complex systems science, and social network analysis.

WE OFFER

A position in an exciting research environment at the Complexity Science Vienna, close collaboration with colleagues from other research teams, access to a network of world-renowned researchers and a great community of talented, young, and motivated PhD and Postdoc researchers. The position is available from September 2022.

APPLICATION

Please send your application to applications@csh.ac.at with the subject line "Application Data Analyst SNA". Application material includes a CV, a list of publications (if applicable), and a one-page vision letter (What is your vision for scientific research? What would you like to discover in your future scientific life? Why are you interested in the topic?), a copy of your Master's thesis, and any additional material showing your computational skills and creativity. Please also include names and full contact addresses of at least one person that is willing to write a letter of recommendation for you. CSH is committed to the principle of equal employment opportunity for all applicants. All employment decisions are therefore based on job requirements, qualifications, merit, and organizational needs. We strongly encourage individuals from underrepresented groups to apply.

We process your personal data in accordance with the law (www.csh.ac.at/data-protection/).

* Salary negotiable based on experience and qualifications