

Tamer Khraisha

Central European University
Department of Network and Data Science
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Education

Sep 2015 – April 2019	Ph.D. in Network Science ☉ Central European University – Budapest, Hungary
Jan 2017 – Mar 2017	Recognized Student at the Institute for New Economic Thinking at the Oxford Martin School ☉ University of Oxford – Oxford, UK
Sep 2012 – Nov 2014	Master's in Economics and Economic Policy ☉ University of Bologna – Bologna, Italy
Sep 2008 – Mar 2012	Bachelor of Science in Financial Economics ☉ University of Bologna – Bologna, Italy

Working Experience

Jan 2018 – Present	Financial Data Engineer at Alphacruncher ☉ KAPTÁR Coworking, Budapest, Révay köz 4, 1065 <i>Alphacruncher provides academic researchers online-access to well-known financial datasets and tools for data manipulation, analysis and reporting. Alphacruncher provides training and documentation on the use of the datasets as well as methods and techniques.</i> <ul style="list-style-type: none">- Creating metadata for financial data models and supporting online documentation- Creating interactive web visualizations of financial datasets using D3.js- Researching methods employed in the extant literature for filtering and manipulating the financial datasets offered with citations- Writing SQL code for implementing the various methods for filtering and manipulating the datasets- Creating a Python library for automating the identification and correction of date formats in the datasets.- Automating data loading tasks by creating Directed Acyclic Graphs (DAGS) scripts in Apache Airflow- Worked on data matching for reproducing datasets used in scientific papers
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Analytical Skills

- Network Science and its applications to social and economic problems
- Agent-Based Modeling
- Data Mining and Machine Learning Algorithms
- Econometric and statistical Analysis
- Stochastic modeling
- Data science techniques for financial and technological data

Programming Skills

- Programming Languages: Python(fluent), R (good knowledge), Java (basic), C++ (basic)
- Database / ETL: SQL (SQL-92, Snowflake, MySQL, PostgreSQL), Knime
- Data visualization: D3.js, Gephi
- Web development: HTML5, CSS, Javascript (Jquery, React).
- Other: Git, Docker, Apache Airflow

Scientific Publications

- Khraisha, T & Arthur, K (2018). *'Can We Have a General Theory of Financial Innovation Processes: a Conceptual Review. Financial Innovation* (Springer Open)
- Khraisha, T. (2019). *Complex Economic Problems and Fitness Landscapes: Assessment and Methodological Perspectives. Structural Change and Economic Dynamics*. (In press)
- KhraishaT & Mantegna, R (2019). *Network Structure and Optimal Technological Innovation. Journal of Complex Networks, (forthcoming)*

Visiting Scholar Abroad

Sep 2017 – Oct 2017	Visiting Scholar at the 'Complexity Science Hub' in Vienna Josefstädter Straße 39, 1080 Vienna, Austria
Jun 2012 – Jun 2014	Visiting Scholar at the 'Observatory of Complex Systems' <i>University of Palermo – Palermo, Italy</i>

Conferences, Schools & Seminar Talks

- Summer School "*Complex networks: theory, methods and applications II*", Villa del Grumello, Como, Italy, (15-19 May 2017)
- *Conference on Complex Systems (CCS)*, Beurs Van Berlage, Amsterdam, The Netherlands (19-22 September 2016)
- *Young Scholars Initiative (YSI)* by the Institute for New Economic Thinking in New York, Central European University, Budapest, Hungary (19-22 October, 2016)
- *European Association of Evolutionary Political Economy Conference (EAEPE)*, Corvinus University, Budapest, Hungary (19-21 October 2017)
- Seminar talk at the Arab American University in Jenin (Palestine): 'The New Science of Networks'. (29 November 2017)

Languages

Arabic: Native | Italian: Fluent | English : Fluent | French : Basic

Awards

2018 Award for Advanced Doctoral Students, Central European University

Organizational Activities

2018 Organizer of the fifth edition of Data Stories exhibition of research visualizations at the Central European University (CEU), Budapest (HU).

2018 Student Representative of the Center for Network Science (CEU), Budapest (HU)

Other

Sports: Gym and tennis

Causes that interest me: history, human rights, peace and free societies.