Tamer Khraisha

Data Scientist

I am a network and data scientist with domain knowledge in finance and technological innovation. I have experience in statistical modeling, innovation network design, data engineering, task automation, constructing machine learning pipelines, and the development of data products. I am interested in working in applied machine learning, fraud/anomaly detection, predictive modeling, and cloud technologies.

Personal Info

Address
Budapest, HU
E-mail
tamer.khraisha@gmail.com
Webpage
www.tamerkhraisha.com
LinkedIn
https://www.linkedin.com/in/tamer-khraisha-22a11640/

Analytical Skills

Network science
Empirical finance
Data mining algorithms
Statistical analysis
Computer simulations
Stochastic modeling

Software skills

Programming: Python, R
Database/ETL: SQL-92, Snowflake, Postgres, MySQL, Apache Airflow
Web Development: HTML5, CSS, JavaScript (D3, Jquery, Vue)
Cloud: AWS EC2 and S3
Big data: Apache Spark
OS virtualization: Docker
Version control: Git

Languages

Arabic - Native
English - Fluent
Italian - Fluent
French - Basic

Interests

Tennis, Gym, Hiking

Working Experience

01-2018- Present — Financial Data Scientist at Alphacruncher
KAPTÁR Coworking, Budapest, Révay köz 4, 1065

Alphacruncher provides an online platform for data management and data-driven education using well-known and large financial datasets.

- Creating metadata for financial data models and supporting online documentation
- Creating interactive web visualizations and dashboards for financial datasets using D3.js and Apache Superset
- Creating a Jquery QueryBuilder application to create complex SQL queries and filters
- Researching methods employed in the extant literature for filtering and manipulating the financial datasets offered with citations
- Writing complex SQL code for implementing the various methods for filtering and manipulating the datasets
- Adding advanced functionalities to the Comprehensive Knowledge Archive Network (CKAN) for data management.
- Creating a Python library for automating the identification and correction of date formats in the datasets.
- Automating Extract, Transform, Load tasks by creating and scheduling Directed Acyclic Graphs (DAGS) scripts in Apache Airflow.
- Worked on data matching for reproducing datasets used in scientific papers
- Creating dockerized environment for testing web applications using Selenium

Education

09-2015 - 05-2019 — Ph.D in Network Science
Central European University – Budapest, Hungary

01-2017 - 04-2017 — Recognized Student at the Institute for New Economic Thinking at the Oxford Martin School
University of Oxford – Oxford, UK

09-2012 - 11-2014 — Master's in Economics and Economic Policy
University of Bologna – Bologna, Italy

09-2008 – 03-2012 — Bachelor of Science in Financial Economics
University of Bologna – Bologna, Italy

Publications

Khraisha, T. & Mantegna, R. (2019 forthcoming) Network structure and optimal technological innovation. *Journal of complex networks*

Khraisha, T. (2019). Complex economic problems and fitness landscapes: Assessment and methodological perspectives. *Structural Change and Economic Dynamics*. (In press)

Khraisha, T., & Arthur, K. (2018). Can we have a general theory of financial innovation processes? A conceptual review. Financial Innovation, 4(1), 4.