

# Stylianos Kampakis, PhD, CStat

Social: [LinkedIn](#) • [Amazon](#)

Website: <http://thedata scientist.com>

Email: [stelios@thedata scientist.com](mailto:stelios@thedata scientist.com)

London, UK • 07761712921

## Senior Data Scientist, Machine Learning Engineer

*Accomplished data scientist and AI expert with a track record of building models and leveraging data-driven insights to drive strategic decision-making and optimize business performance.*

Demonstrated expertise in building and deploying leading-edge machine learning models to add customer and business value. Well-versed in engaging with executive management to make critical decisions and bring best-in-class analytics/models to enable decisions. Expert in leading general development of new models and algorithms, from the identification of business and customer problems through development to deployment. Instrumental in overseeing cross-functional teams, collaborating with stakeholders, and delivering complex projects. Adept at delivering impeccable consulting/advisory and implementation services for emerging and advanced technologies. Three times published author in data science and AI for executives.

### Areas of Expertise

- Data Science / Machine Learning
- Project Management / Planning
- Data Analysis / Interpretation
- Start-up Consulting / Development
- AI & Data Strategy
- Amazon Sagemaker & AWS
- Natural Language Processing
- Bayesian Statistics / Modelling
- Team Development / Leadership
- Snowflake
- AzureML
- Deep Learning & LLMs

### Career Experience

**Senior Data Scientist** | Various Clients, London, UK

**2021 – Now**

**Client:** *Circadia* | *Squaretrade* | *Brainpool*

Developed and deployed algorithms for early detection of disease and illness by utilising machine learning and statistical models. Built body vital tracking algorithms and sleep staging models using contactless technology.

- Developed a patent-pending algorithm for sleep stage classification.
- Developed an algorithm for early detection of clinical deterioration.
- Designed and executed a study on early indicators of respiratory deterioration in COVID-19 patients.

**Contractor Data Scientist** | Various Projects, London, UK

**2018 – Present**

Deliver impeccable consulting/advisory for various clients in the space of data science, AI and machine learning.

- Developed a demand forecasting pipeline for Stanley Gibbons, incorporating algorithms such as gradient-boosted trees, ARIMA, grey kite, and random forest. Deployed the algorithm on AWS Sagemaker.
- Achieved a more than 50% improvement in beating human forecasts.
- Demonstrated expertise in building and fine-tuning Large Language Models (LLMs).
- Transformed and improved organizations' performance through AI, data science, and blockchain, such as from data strategy to AI ethics, to research and development.
- Empowered decision-makers in implementing and comprehending technology, enabling superior outcomes that surpass expectations in terms of speed, simplicity, and overall effectiveness.
- Led and efficiently managed teams of up to 4 data scientists.

**Data science advisor** | London Business School, Freelance, London, UK

**2020 – Present**

Advise and effectively guide LBS on the Masters in Analytics and Management. Engage with clients and students to deliver the required KPIs for the duration of the project.

- Devised and executed robust plans for data analysis in collaboration with various stakeholders and students.
- Clients included companies of the likes of Heineken, Lloyds, EY, the European Bank of Research and Development (EBRD) and Harrods.

**AI advisor / Data Science Advisor**, London, UK

**2021**

**Clients: Pollen | Hunterlabs**

Utilised statistical modelling and machine learning to create valuation models for private equity funds, including methods like gradient-boosting trees and Bayesian modelling.

- Aided Pollen in the design and development of a new decentralized finance protocol.
- Designed a Bayesian method for estimating investment skills.
- Set up a new data strategy for Hunterlabs

**Data Scientist** | Multiple Clients, London, UK

**2019 – 2020**

**Clients: Kalgera | Avasa.ai**

Partnered with Kalgera to execute the ICO's AI ethics framework. Facilitated in designing a recommender system for the property space using deep learning. Created valuation models for the property market and developed an NLP-based chatbot.

- Played an integral role in detecting financial fraud by developing anomaly detection models to protect vulnerable customers using machine learning.

**Data Scientist** | Electi Consulting, London, UK

**2018-2019**

Offered outstanding services in data science and blockchain and contributed to various projects, including the use of statistical forecasting for predicting demand for the Stoli Group, and the design of token economies using agent-based modelling.

- Aided the Stoli Group in optimising the efficiency of operations through statistical forecasting.
- Facilitated the company set up a tokenomics division and successfully delivered many tokenomics projects.

**Data Scientist** | Brandtix, London, UK

**2015**

Engaged in various projects using a variety of methodologies, including generalized linear model, Bayesian statistics, sentiment analysis using deep learning, and text classification.

- Created the world's first index that evaluates athletes based on both performance and social media presence.
- Developed NLP models to extract information from social media.
- Utilised statistical forecasting algorithms to predict players' performance.

---

## Additional Experience

---

**Digipal AI (2022-2023 ongoing)** | Utilised large language models to summarise financial portfolios & generate company IP.

**DeepLab (2021-2023 ongoing)** | Created sports betting strategies using statistical models, deep learning, and reinforcement learning, achieving positive yield over the market benchmark. Managed a team of 2 data scientists.

**Vortexplore (2021 - 2023 ongoing)** | Developed IP through the form of an AI algorithm for HR analytics. Managed a team of up to 3 data scientists.

**Hacken (2023 ongoing) (Advisor & External partner)** | Aiding Hacken with setting up a tokenomics design & auditing department.

**Carbonyte (2023 ongoing)** | Non-executive director on AI and tokenomics

---

## Education & Credentials

---

**Postgraduate Diploma in Entrepreneurship** | The University of Cambridge, 2020

**PhD Computer Science** | University College London, 2016

*Thesis title: Predicting football injuries using statistical modelling & machine learning. Sponsored by Tottenham Hotspur FC*

**MSc Informatics** | The University of Edinburgh, 2012

*Awarded with distinction and the prize for the best dissertation with the topic "investigating the computational power of neurons with non-standard behaviors"*

**MSc Intelligent Systems** | Aristotle University of Thessaloniki, 2011

**BSc Mathematics and Statistics** | The Open University, 2016

**Diploma in Economics** | The Open University, 2011

**BSc Psychology** | Aristotle University of Thessaloniki, 2009

---

## Professional Affiliations

---

**Chartered Statistician** – Royal Statistical Society | **Member** – British Standards Institution

**Fellow** – UCL Centre for Blockchain Technologies | **Data Science Advisor** – London Business School

**Fellow** – Cyprus Blockchain Centre | **Member** – Young Transatlantic Innovative Leaders Initiative (YTILI)

---

## Community Engagement

---

**Data Science Advisor** – London Business School | **Mentor** – Cambridge University's Entrepreneurship Centre

**Adjunct Lecturer, Predictive analytics** – The University of Law | **Chief Data Officer** – Beyond Machine

**Adjunct lecturer of Statistics and Social Media Analytics** – Cyprus International Institute of Management

**Mentor** – Springboard

---

## Publications

---

- Kampakis, S.(2023), Machine Learning in the Real World, Encyclopedia of Data Science and Machine Learning, edited by John Wang, IGI Global, pp. 1732-1747. <https://doi.org/10.4018/978-1-7998-9220-5.ch104>
- Kampakis, S. (2022). Auditing Tokenomics: A Case Study and Lessons from Auditing a Stablecoin Project. The Journal of The British Blockchain Association, 34696.
- Schaar, L., & Kampakis, S. (2022). Non-fungible tokens as an alternative investment: Evidence from cryptopunks. The Journal of The British Blockchain Association, 31949.
- Timo Lauteslager, Stylianos Kampakis, Adrian J. Williams, Michal Maslik (2020), Fares Siddiqui, Performance Evaluation of the Circadia Contactless Respiratory Monitor and Sleep Analysis Algorithm for Sleep Stage Classification, 42nd Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) in conjunction with 43rd Annual Conference of the Canadian Medical and Biological Engineering Society
- Kampakis S. (2019), Is blockchain part of the future of art? Journal of the British Blockchain Association
- Kampakis S. (2018), Three case studies in tokenomics, Journal of the British Blockchain Association
- Mourouzis T., Kampakis S. (2017), evolution of User-Selected Passwords: Have we learned from past mistakes? quantitative empirical analysis of publicly available datasets., Submitted to Information Systems Research
- **Two patents pending to my name**
- **Thrice published author** (<https://www.amazon.co.uk/Stylianos-Kampakis/e/BoBH6RV4PT>)