

# Niki Kiriakidou

Mathematician

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**Scholar**

<https://scholar.google.com/citations?user=fCprf9AAAAAJ&hl=en>

## Education

□ Oct 2018 - Dec 2020

*Master of Science in Applied Statistics*

University of Piraeus, Greece

Master Thesis: Interest rate derivatives pricing models

Expertise in:

- Financial Mathematics
- Business Analysis

□ Oct 2013 - Jul 2018

*Bachelor of Science in Mathematics*

University of Patras, Greece

Expertise in:

- Probabilities & Statistics
- Operational Research

## Publications

- [J2] Livieris, I. E., Kiriakidou, N., Stavroyiannis, S., & Pintelas, P. (2021). An Advanced CNN-LSTM Model for Cryptocurrency Forecasting. *Electronics*, 10(3), 287.
- [Ch2] Livieris, I. E., Pintelas, E., Kiriakidou, N., & Stavroyiannis, S. (2020). An advanced deep learning model for short-term forecasting US natural gas price and movement. In *IFIP International Conference on Artificial Intelligence Applications and Innovations* (pp. 165-176). Springer, Cham. (Citations: 4)
- [Ch1] Livieris, I. E., Kiriakidou, N., Kanavos, A., Vonitsanos, G., & Tampakas, V. (2019). Employing Constrained Neural Networks for Forecasting New Product's Sales Increase. In *IFIP International Conference on Artificial Intelligence Applications and Innovations* (pp. 161-172). Springer, Cham. (Citations: 4)
- [C2] Livieris, I. E., Tampakas, V., Kiriakidou, N., Mikropoulos, T., & Pintelas, P. (2018). Forecasting students' performance using an ensemble SSL algorithm. In *International Conference on Technology and Innovation in Learning, Teaching and Education* (pp. 566-581). Springer, Cham. (Citations: 6)
- [J1] Livieris, I. E., Kiriakidou, N., Kanavos, A., Tampakas, V., & Pintelas, P. (2018). On ensemble SSL algorithms for credit scoring problem. *Informatics*, 5(4). (Citations: 9)
- [C1] Livieris, I. E., Kanavos, A., Vonitsanos, G., Kiriakidou, N., Vikatos, A., Giotopoulos, K., & Tampakas, V. (2018, July). Performance Evaluation of an SSL Algorithm for Forecasting the Dow Jones Index

## Research Interests

- ☐ Statistics
- ☐ Probabilities
- ☐ Stochastic analysis
- ☐ Data analysis
- ☐ Causal modelling
- ☐ Machine learning

## Software

- ☐ Microsoft Office: *Word, Excel, Powerpoint.*
- ☐ Software for Statistical Analysis: *R, SPSS, SAS.*
- ☐ Operating Systems: Windows

## Languages

***Greek***  
Native

***English***  
ECPE

***German***  
B1