

Christoforos Georgios Fistouris

Corpus Christi College, Oxford, Oxfordshire

+00306987837325 ✉ fistouriagent@gmail.com or cgf20@ic.ac.uk or corp3375@ox.ac.uk

Education

University of Oxford

Oct. 2023 – Sep. 2024

MSc in Statistical Science

Oxford

Modules: Fundamentals of Statistical Inference, Statistical Programming in R, Applied Statistics, Statistical Machine Learning, Advanced topics in Statistical Machine Learning, Advanced Simulation Methods, Probability and Statistics for Network Analysis, Stochastic Models in Mathematical Genetics, Computational Statistics

Imperial College London

Sep. 2020 – June. 2023

BSc in Mathematics with Statistics

London

Grade: First Class Honours 77.88%, Prize - Award

BSc Thesis: Clustering analysis of energy consumption in European countries

International Baccalaureate - CGS

2018-2020

IB Graduate achieving **43/45**

Athens

Further Mathematics HL (7), Mathematics HL (7), Physics HL (7)

Extra Education

International A-levels (Pearson)

June 2018 - June 2019

Further Mathematics A, Mathematics A*, Physics AS A*

British Council - Athens

Achieved **A*** at the age of 16 in **written in person** A-Levels Examination Mathematics, **A** in AS Physics and **A*** at the age of 17 in **written in person** A-Levels Examination Further Mathematics

Awards - Prizes, Bursaries and Academic Distinctions

- **First Year Prize - Award for Outstanding Performance in Computational Mathematics, Imperial College London** : Awarded to the top student of the year in Computational Mathematics **2021**
- **Bursary - Award for Undergraduate Research Opportunities, Imperial College London:** Awarded only to top students **2022**
- UK Integration bee 7th place at Cambridge final round **2023**

Work Experience

- **Undergraduate Research Opportunities** : Worked as a researcher at Imperial College London delving into Statistical Finance and Algorithmic Trading, producing a research paper which focuses on Fundamental, Technical & Sentiment Analysis using Machine Learning and Markowitz's Portfolio Theory for a full guide of Investing and Trading by presenting my own strategy written in algorithms, under the supervision of **Dr.Passeggeri**. In this paper, several investing strategies are presented and their history performance for different stocks. The sentiment analysis part, uses Machine Learning including Natural Language Processing, Neural Networks and Naive Bayes Theorem. **Summer 2022**
- **Eurobank Equities:** Worked in the Finance Industry, in the biggest Equity Firm in Greece where I shadowed the, eight consecutive times awarded, best Analyst in Greece, Dr.Draziotis Stamatias. I worked as an analyst where by using the balance sheets of different companies I tried to value the companies and find a target price for the next 12 months. The analysis was based on three different valuation models like the EV/EBITDA model, the DCF Valuation model and the DDM model. Since these three models produce different target prices, I managed to train parameters using historical data to optimize the weights should put into each different target price to get one final target price. This was achieved using Machine Learning techniques **Summer 2022 - Athens**

Qualifications

- **Languages:** Greek (Native), **English** (C2), **French** (B2)
- **Programming Languages:** Excellent knowledge of **Python** and **R**. Good knowledge of **Julia**, **Matlab** and **C++**
- **Web Programming and Design:** Intermediate level of **HTML 5**, **CSS 3** and **LaTeX**
- **Mathematics Online Courses:** Statistics and R by Harvard University, Data Analysis: Statistical Modeling and Computation in Applications by MIT, Mathematics for Machine Learning Specialization by Imperial College London
- **Finance Online Courses:** "Python for Finance 2021", "Investment and Technical Analysis Methods on the Stock Market", "Python for Finance: Investment Fundamentals Data Analytics", "Yale Financial Markets" and "Financial Market Analysis by IMFx"
- **Computer Science Online Courses:** Computer Science: Algorithms, Theory and Machines by Princeton University, Introduction to Programming in C++ by NYU
- **Finance Tools:** Capital IQ, Yahoo Finance, Bloomberg, Trading View, Investing.com
- **Microsoft Office Skills:** Proficient with **Microsoft Word**, **Excel** and **Power Point**

Research and Papers

To be published Maths, Statistics and Finance Papers

Summer 2022

- Statistical Finance and Sentiment Analysis using Machine Learning, Python
- Statistical Paired Comparison Models on Tennis Matches, R

Other Maths, Statistics and Finance Papers

Summer 2021

- Markowitz Portfolio Theory with Linear Algebra and Statistics, MATLAB.
- Classification Problem in Risk Management using Machine Learning and Statistics, Python.

Interests and Extra-curricular Activities

- **Clubs & Societies:** MathSoc, Investment Soc., Football, Poker Society, Futsal, Greek Society, Table Tennis Society. **2021**
- **Football:** Pre-national Greek team player for 5 years **2012-2016**
- **Swimming:** Great participation and medal - awards in National and School Competitions **2008-2015**
- Mixed Martial Arts and Table Tennis in my free time
- Chess player