Diomides MAVROYIANNIS

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Cypriot / French (Dual Nationality)

TECHNICALLY ASTUTE ECONOMIST WITH INTERNATIONAL EXPERIENCE
GAME THEORY | INDUSTRIAL ORGANISATION | PROBABILITY | MICRO- / MACRO-ECONOMICS | RISK MANAGEMENT

Analytically minded economist with both an academic and practical background. Extensive training in statistical techniques for all kinds of models and data(time, cross sectional, panel, non-parametric, maximum likelihood etc). Focused on the economics of innovation and pricing using growth maximizing techniques. Strong cultural awareness, global mind-set and multilingual skills gained via international experience. Has a wide array of technical skills acquired from both academic and business settings, namely, Python, Mathematica, Excel(VBA), LaTex, STATA, EVIEWS, Java.

// EDUCATION AND QUALIFICATIONS

PhD Economics | UNIVERSITY PARIS DAUPHINE, Paris   **2015-2019**

- Specialty is around industrial organisation, microeconomics and Ergodic economics
- The PHD included Taught courses: Mechanism Design, Microeconomics, Cooperative Game theory, Advanced Microeconomics and History of Economic Thought
- **-Chapter 1** is about pricing a network good. A firm can price a product that has a network value(the value depends on the number of users). The general conclusions are that in such a scenario it may be beneficial to sometimes only make power users pay for the product.
- Working paper title: **Network Value and Piracy**
- Working paper title: **A survey of the economics of property rights**

  -Chapter 2 is about Mergers and Acquisitions. Specifically, how a regulator can evaluate whether mergers will result in innovations where the time structure of a certain pattern is favoured. For instance, a project that will result in earlier cash flows but lower total cash flows may be favoured without a discount factor.
- Working paper title: **On the choice between Sequential and Radical Innovation**

  -Chapter 3 is about discount factors. Specifically, we question the viability of exponential discounting relative to hyperbolic and determine the conditions under which each can be optimal. This is joint work with Ole Peters, Alex Adamou and Yonatan Berman.
- Working paper title: **Microfoundations of discounting**

MSc Economics | UNIVERSITY OF EDINBURGH, Edinburgh   **2014-2015**

- Improved awareness surrounding econometrics, advanced micro / macroeconomics, time series econometrics and macroeconomic policy. Studied issues associated with business strategy, including investment, mergers and acquisitions.
- Thesis: What is the effect of technology on wages? The main findings are that, as long as humans have the edge on some sectors, the cost disease entails higher overall wages.

MSc Corporate and International Finance | UNIVERSITY OF DURHAM, Durham   **2012-2013**

- Studied international corporate finance and corporate governance practices, alongside econometric techniques involved in international corporate finance, asset pricing (Black Scholes / VAR), international trade and monetary theory.
- Summer school in Cologne; contributed to DHL supply chain project relating to Brazilian tax rates.

BSc Business and Finance | UNIVERSITY OF SUSSEX, Brighton   **2009-2012**

// PROFESSIONAL EXPERIENCE AND ACHIEVEMENTS

Economic Consultant | EUROPEAN ECONOMICS, Paris   **2020-Present**

- Prepare state aid applications by discussing economic literature on positive externalities of infrastructure and market failures.
- Analyse business plans using various economic criteria, including elasticity, market share, NPV and WACC

Teaching Assistant | Paris Dauphine and Marne-la-Vallée   **2015-2019**

- Taught at Paris Dauphine: Economics of Uncertainty(VNM, Bayesian, insurance, etc) for 3rd year math students, General equilibrium for 2rd year math students, Microeconomics for 1st year economics students
- Taught at Marne La Valee: Monetary Economics(this included central banking, interest rates, monetary aggregates), Social Economic Policy(Unemployment, taxation and the like) both for 2nd year economic students
- During my time at Dauphine I also acted as chief librarian for the MSc and PHD library twice a week for 2 years.

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**Credit Analyst	LOGICOM GROUP, Nicosia**	**2013-2014**

- Evaluated credit value, (regression, probabilistic models) using diverse metrics.
- Evaluated internal company data and delivered presentations to Economic Director and Financial Analysts.

**Multi-Annual Financial Framework Analyst	EU COUNCIL (PRESIDENCY OF CYPRUS), Brussels**	**2012-2013**

- Created the first draft of a MFF compromise to meet the diverse demands of numerous European Union states.
- Researched and Analysed the effectiveness of various policies, especially direct payment versus conditional payments and the European Cohesion fund and it's thresholds.

// OTHER EXPERIENCE

- Seamlessly adapted to diverse cultural backgrounds during a mix of international experience, including Translator in China; previously introduced marketing software at an international group in Lebanon, and completed military service in Cyprus.

// PROFESSIONAL DEVELOPMENT

Speaker: University of Cyprus Economics Seminar

Speaker: Public Economic Conference, France   **2019**

Speaker: Spain-Italy-Netherlands Meeting on Game Theory (SING15), Finland   **2019**

Attendee: Real World Risk Institute, New York, USA   **2019**

- An intensive workshop run by Nassim Nicholas Taleb which focuses on the statistical properties of fat tails.

Speaker: BiGSEM Workshop in Economic Theory, Germany   **2018**

Attendee: NEComplex Systems Institute Summer School, Boston, USA   **2018**

- A summer school at MIT run by Yaneer Bar Yam which focuses on complexity science. Included two projects, the first was a python program which could randomly generate fractals of different kinds and the second, also a Python project was about representing communication dynamics on a network with agents who reinforce their opinions by sharing similar information.

Participant : Durham Trading competition, UK   **2012**

- A program run over a semester at Durham where masters students compete to get the best outcomes on a trading account. I won 2nd place among around 200 participants, this was partially evaluated using the Sharpe Ratio.

// OTHER INFORMATION

IT Skills: Microsoft Excel | Mathematica| Python | Stata| R | Eviews

Languages: Fluent English, Greek and French