

# Dr Michael A. Talias

## PERSONAL INFORMATION

Assistant Professor in Health Economics and Statistics	Open University of Cyprus
Postgraduate Program in Healthcare Management	P.O.Box 12794
<i>Email:</i> michael.talias@ouc.ac.cy	2252 Latsia, Nicosia
<i>Tel:</i> +357 22411954	Cyprus
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[https://www.researchgate.net/profile/Michael\\_Talias](https://www.researchgate.net/profile/Michael_Talias)  
<https://scholar.google.com/citations?user=i9ih9S0AAAAJ&hl=en>  
<https://www.scopus.com/authid/detail.uri?authorId=15048736800>  
<https://publons.com/researcher/3519882/michael-atalias/>

## EDUCATION

<b>Ph.D. Statistics, University College London, University of London, UK</b>	2000
Thesis title: Statistical and Financial Aspects of Research and Development Portfolios	
<b>M.Sc. Social Statistics, University of Southampton, UK</b>	1995
<b>B.Sc. Actuarial Science, The London School of Economics, Univ. of London, UK</b>	1994

## ACADEMIC EXPERIENCE

<b>Open University of Cyprus, Nicosia, Cyprus</b>	04/2010 - present
Postgraduate Program in Healthcare Management	
Assistant Professor in Health Economics and Statistics	09/2015 - today
Lecturer in Health Economics and Statistics	04/2010 - 09/2015
<b>Sabbatical Leave:</b> Visit the Botnar Research Center, University of Oxford	2017
Academic Director for the Healthcare Management Program	11/2010 - 09/2012, 10/2013 - 07/2016, 02/2018 - present
Academic Director for the Health Policy and Planning Program	02/2018 - present
<b>Cyprus International Institute for the Environment and Public Health in association with Harvard School of Public Health, Nicosia</b>	03/2009 - 06/2009
Research Statistician	01/2008 - 11/2008
<b>Cyprus University of Technology, Limassol, Cyprus</b>	
Department of Hotel and Tourism Management	01/2009 - 05/2009
Department of Nursing	09/2009 - 12/2009
Special Scientist Personnel in Statistics/Biostatistics	
<b>Mediterranean Institute of Management, Nicosia, Cyprus</b>	01/2009 - 05/2009
Cyprus Productivity Center,	
Postgraduate Program in Management and Public Administration	
Lecturer in Operational Research	

**University of Cyprus**, Nicosia, Cyprus 01/2007 - 05/2007  
Department of Public and Business Administration  
Visiting Lecturer in Quantitative Methods

**Jacobs University Bremen**, Bremen, Germany 2005 - 2006  
School of Humanities and Social Sciences,  
Lecturer in Statistics and Methods

**University of Cyprus**, Nicosia, Cyprus 2003 - 2004  
Department of Public and Business Administration  
Visiting Lecturer in Quantitative Methods

**Cyprus College**, Nicosia, Cyprus 09/2001 - 05/2002  
Department of Business Administration  
Assistant Professor of Finance and Statistics

#### CURRENT AND FUTURE RESEARCH FIELDS

- Sequential Statistical methodologies and their relation to the Portfolio management of R&D projects
- Applied Statistical Computing and Bayesian Data Analysis
- Applied Multivariate Data analysis in various Business, Health Economics and Medicine problems
- Optimal sequential decision processes, Decision analysis, Applied Probability
- Advanced Statistical Modelling Methods for Health Economic Evaluation
- Evidence synthesis and Meta-analysis

#### PUBLICATIONS

55. K. Michael and M. Talias (2020), Effectiveness of a nutrition intervention program to increase adherence to Diet at Primary school children: A pilot study”, submitted
54. S. Ioannou, Y. Marcou. E. Kakouri and M. Talias (2020), “Real-world setting cost-effectiveness analysis comparing three therapeutic schemes of one-year adjuvant Trastuzumab in HER2 positive early breast cancer from the Cyprus NHS payer perspective”, submitted
53. C. Tsagkaraki, M. Talias, D. Stasinopoulos and D. Lamnisis (2020), “Translation, cross-cultural adaptation and psychometric evaluation of the Greek version of the Western Ontario Meniscal Evaluation Tool (WOMET)”, *BMC musculoskeletal disorder*, submitted
52. I. karamitry, F. Kitsios, M. Talias (2020), “Development and validation of a knowledge management questionnaire for hospitals and other healthcare organizations”, *Sustainability* 2020, 12(7), 2730
51. F. Kitsios, M. Kamariotou, M. Talias (2020), “Corporate Sustainability Strategies and Decision Support methods: A bibliometric analysis”, *Sustainability* 2020, 12(2), 521
50. L. Samartzis and M. Talias (2020), “Assessing and Improving the Quality in Mental Health Services”, *International journal of environmental research and public health*, 17(1), 249;  
<https://doi.org/10.3390/ijerph17010249>
49. A. Tzortzopoulos, V. Raftopoulos, M. Talias (2020), “Performance characteristics of automated clinical chemistry analyzers using commercial assay reagents contributing to quality assurance and clinical decision in a hospital laboratory”, *Scandinavian journal of clinical and laboratory investigation*
48. D. Lamnisis, N Middleton, N Kyprianou, M. Talias (2019), “Geodemographic Area Classification and Association with Mortality: An Ecological Study of Small Areas of Cyprus”, *International journal*

*of environmental research and public health*, 16 (16), 2927

47. E Papamichael, M Ioannou, MA Talias (2018), “EMPATHIC-N in a Greek-Cypriot sample: confirming its factorial structure”, **BMC health services research**, 18 (1), 968
46. N Kontodimopoulos, E Stamatopoulou, A Brinia, MA Talias, LN Ferreira (2018), “Are condition-specific utilities more valid than generic preference-based ones in asthma? Evidence from a study comparing EQ-5D-3L and SF-6D with AQL-5D”, **Expert review of pharmacoeconomics & outcomes research**, 18 (6), 667-675
45. A Tzamalīs, G Chionos, P Brazitikos, I Tsinopoulos, S Dimitrakos, MA Talias (2018), “Comparing hospital compensation to actual costs based on the Greek Diagnosis-Related Group system in ophthalmology”, **International journal of evidence-based healthcare**, 16 (3), 167-173
44. M Charalambous, G Sissou, MA Talias (2018), “Assessment of Patients’ Satisfaction with Care Provided in Public and Private Hospitals of the Republic of Cyprus: A Comparative Study”, **International Journal of Caring Sciences**, January-April 2018, Volume 11, Issue 1, Page 125
43. Chrissa G. Tsiara, G. K. Nikolopoulos, N. L. Dimou, K. G. Pantavou, P. G. Bagos, B. Mensah, M. Talias, G. G. Braliou, D. Paraskeva, S. Bonovas, A. Hatzakis (2018), “Interleukin gene polymorphisms and susceptibility to HIV-1 infection: a meta-analysis”, **Journal of Genetics**, <https://doi.org/10.1007/s12041-018-0907-y>
42. Marianna Charalambous, K. Mitosis, M. Talias (2018), “Strategic application of the hazard analysis and critical control point system for new export markets for Cyprus’ small and medium food enterprises during the 2012 economic crisis”, **International Journal of Export Marketing**, <https://doi.org/10.1504/ijexportm.2018.093116>
41. Stefanos Mastrotheodoros S., M. Talias and F. Motti (2017), “Goal Orientation Profiles, Academic Achievement and Well-Being of Adolescents in Greece”, Chapter 8 in **Well-Being of Youth and Emerging Adults across Cultures: Novel Approaches and Findings from Europe, Asia, Africa and America**, Editor Radosveta Dimitrova
40. Evangelides P. and M. Talias (2017), “Paths of Zeros of Analytic Functions of Finite Quantum Systems Using Various Types of Matrices”, **Research & Reviews: Journal of Pure and Applied Physics**, Volume 5, (2), Pages 17-22
39. Zannetos S., T. Zachariadou, A. Zachariades, A. Georgiou and M. Talias (2017), “The economic burden of adult asthma in Cyprus; a prevalence-based cost of illness study”, **BMC Public Health**, Jun 17;262 <https://doi.org/10.1186/s12889-017-4184-0>
38. Charalambous M., K. Mitosis and M. Talias (2017), “Data on motivational factors of the medical and nursing staff of a Greek Public Regional General Hospital during the economic crisis”, **Data in Brief**, Volume 11, April 2017, Pages 371-381 <http://dx.doi.org/10.1016/j.dib.2017.02.026>
37. Otterbacher J. and M. Talias (2017) “S/he’s too Warm/Agentic! The Influence of Gender on Uncanny Reactions to Robots”, **ACM/IEEE International Conference on Human-Robot Interaction**
36. Stylianou A. and M. Talias (2017), “Big Data in Healthcare: a discussion on the big Challenges”, **Health and Technology**- springer, 2017. doi:10.1007/s12553-016-0152-4
35. I. Karamitri, M. Talias and T. Bellali (2017), “Knowledge management practices in health care settings: a systematic review”, **International Journal of Health Planning and Management** 32, (1), DOI: 10.1002/hpm.2303

34. Dasilas A., C. Grose , and M. Talias (2017), “Investigating the Valuation Effects of Reverse Takeovers: Evidence from Europe”, *Review of Quantitative Finance and Accounting*, DOI: 10.1007/s11156-016-0614-9
33. Zannetos S. and M. Talias (2016), “A Cost-Benefit Analysis of a proposed immigrant latent tuberculosis infection screening program for Cyprus”, *Materia Socio Medica*, 2016; 28(6): 464-467 doi: 10.5455/msm.2016.28.464-467
32. Loizou C., C. Phellas, S. Beck, M. Karekla, M. Talias, S. Christou, N. Michaelidou and C.S. Constantinou (2016), “How Life would be without Thalassaemia: Patients Perceptions”, *The Cyprus Review Nicosia* **28.1**, (Spring 2016): 33-48,9-13
31. Petrou P. and M. Talias (2016), “Navigating through the maze of pricing and affordability of branded pharmaceuticals in the midst of the financial crisis: a comparative study among five European recession countries, from a Cyprus perspective”, *Journal of Pharmaceutical Policy and Practice*, 2016 9:8 DOI: 10.1186/s40545-016-0057-7
30. Soteriades E., L. Petrokokkinos, M. Talias, A. Zisimos, M. Kolovou, V. Kamenopoulou, E. Georgiou (2016), “Radon levels in Cyprus: potential impact on public health”, *Management of Environmental Quality: An International Journal*, Vol.17, No.4, 2016, 407-418
29. Giannou F., C. Tsiara, G. Nikolopoulos, M. Talias, V. Benetou, M. Kantzanou, S. Bonovas and A. Hatzakis (2015), “Condom effectiveness in reducing heterosexual HIV transmission. A systematic review and meta-analysis of studies on HIV serodiscordant couples”, *Expert Review of Pharmacoeconomics & Outcomes Research*, October 2015, Pages 1-11, DOI:10.1586/14737167.2016.1102635
28. Petrou P. and M. Talias (2015), “Price determinants of the tendering process for pharmaceuticals in Cyprus market”, *Value in Health Regional Issues*, Volume 7, September 2015, Pages 67-73
27. L. Lazuras , C. Savva, M. Talias and E. Soteriades (2015), “Support for Smoke-free Policies among Employers and Employees in the Hospitality Industry in Cyprus”, *International Journal of Public Health*, December 2015, Volume 60, Issue 8, pp 911-917
26. C. Koutras, S. Antoniou, M. Talias, and H. Heep (2015), “Impact of Total Hip Resurfacing Arthroplasty on Health-Related Quality of Life Measures: A Systematic Review and Meta-Analysis”, *The Journal of Arthroplasty*, DOI: <http://dx.doi.org/10.1016/j.arth.2015.05.014>
25. I.S. Hadjisavva, R. Dina, M. Talias and P. A. Economides (2015), “Prevalence of cancer in patients with thyroid nodules in the island of Cyprus: Predictive value of ultrasound features and thyroid autoimmune status”, *European Thyroid Journal*, Vol.4, No.2:123-128 (DOI:10.1159/000430438)
24. P. Mitropoulos, Talias M. and Mitropoulos I. (2015), “Combining stochastic DEA with Bayesian analysis to obtain statistical properties of the efficiency scores: An application to Greek public Hospitals”, *European Journal of Operational Research*, **243**, 302 - 311, doi:10.1016/j.ejor.2014.11.012
23. M. Talias, Savva C., Soteriades E. Lazuras, L. (2015), “The Effect of Smoke-free Policies on Hospitality Industry Revenues in Cyprus: An Econometric approach”, *Tob Control* doi:10.1136/tobaccocontrol-2013-051477
22. Stylianou A. and M. Talias (2015), “The “magic light”: a discussion on medical laser ethics”, *Science and Engineering Ethics*, Aug;21(4):979-98. doi: 10.1007/s11948-014-9566-4
21. M. Charalambous, Constantinides S. , Talias M., Elpidoforos S. and Christou C. (2014), “Repeated

Transradial Catheterization: Feasibility, Efficacy and Safety”, *Texas Heart Institute Journal*

20. Petrou P. and M. Talias (2014), “Tendering for pharmaceuticals as a reimbursement tool in Cyprus Public Health sector”, *Health Policy and Technology*, <http://dx.doi.org/10.1016/j.hlpt.2014.04.003>
19. Petrou P. and M. Talias (2014), “A pilot study to assess feasibility of value based pricing in cyprus through pharmacoeconomic modelling:sorafenib for second line renal cell cancer”, *Cost Effectiveness and Resource Allocation*, 12:12 doi:10.1186/1478-7547-12-12
18. Leonidou L.C., S. Saeed, B. Aykol, M. Talias, (2014) “Antecedents and outcomes of exporter-importer relationship quality: Synthesis, meta-analysis, and directions”, *Journal of International Marketing*, Vol. 22, No. 2, pp. 21 - 46, doi: <http://dx.doi.org/10.1509/jim.13.0129>
17. Petrou P. and M. Talias (2014), “Cost-Effectiveness of Sorafenib compared to best supportive care in second line renal cell cancer from a payer perspective in Cyprus”, *Expert Review of Pharmacoeconomics & Outcomes Research*, February, Vol. 14, No. 1 , Pages 131-138
16. Hadjigeorgiou A., M. Talias, E. Soteriades, A. Philalithis, A. Psaroulaki, Y. Tselentis, and Achilleas Gikas (2014), “Attitudes and Beliefs on the establishment of a National Food Safety Authority in Cyprus: A population-based survey”, *Appetite* 75, Pages 90-96
15. Charalambous A., S. Frangos, M. Talias, “A randomized controlled trial for the use of Thymus Honey in decreasing Salivary Gland Damage following Radioiodine Therapy for Thyroid cancer: research protocol”, *Journal of Advanced Nursing*, 2013 Nov 21. doi: 10.1111/jan.12318,
14. Televantos A., M. Talias, M. Charalambous, E. Soteriades (2013), “Attitudes on Euthanasia and Cremation in Cyprus: A population-based Survey”, *BMC Public Health* 2013 13:878
13. Petrou. P and M. Talias (2013), “A framework for applying Health Technology Assessment in Cyprus: thoughts, success stories and recommendations”, *Value in Health Regional Issues*, Volume 2, Issue 2, Pages 273 -278, cited by 13
12. Soteriades E. S., M. Talias, K. Harmon, S. Schumann,S. Kales (2013), “Electronic Medical Record Use Among US Occupational Medicine Physicians: A National Survey”, *Journal of Occupational and Environmental Medicine*, Oct;55(10), 1191 - 1196, doi: 10.1097/JOM.0b013e31829b3a4c
11. Stylianou A. and M. Talias, “Nanotechnology Supported THz Medical Imaging”, *F1000Research* 2013, 2:100
10. Soilemezi E., M. Tsagourias, M. Talias, E. Soteriades, V. Makrakis, E. Zakynthinos, D. Matamis (2013), “Sonographic assessment of changes in diaphragmatic kinetics induced by inspiratory resistive loading” *Respirology*, Apr;18(3):468-73. doi: 10.1111/resp.12011
9. Charalambous A., V. Raftopoulos, M. Talias, (2013) “The confirmatory factor analysis of the Job Diagnostic Survey: the oncology nursing setting”, *Journal of Nursing Management*, Vol., 21(2), 273-282
8. Raftopoulos V., A. Charalambous, M. Talias, (2012) “The factors associated with the burnout syndrome and fatigue in Cypriot nurses: a census report”, *BMC Public Health*, Jun 20;12(1):457
7. Papadatou D., I. Giannopoulou, P. Bitsakou, T. Bellali, M. Talias, K. Tselepi (2012), “Reactions of adolescents following a wildfire disaster in Greece”, *Journal of Traumatic Stress*, Feb., 25(1), 57-63
6. Soteriades E. S., M. C. Targino, M. Talias, R. Hauser, I. Kawachi, D. Christiani, S. Kales (2011), “Obesity and risk of LVH and ECG Abnormalities in US Firefighters”, *Journal of Occupational and*

*Environmental Medicine*, Aug;53(8), 867 - 871

5. Soteriades E.S, G. Spanoudis, M. Talias, J.R. DiFranza (2011), “Children’s loss of autonomy over smoking:the global youth tobacco survey”, *Tob Control*, **20**, 201-206, doi:10. 1136/tc.2010.036848
4. Leonidou L.C., M. Talias, C.N. Leonidou (2008), “Exercised power as a driver of trust and commitment in cross-border industrial buyer-seller relationships”, *Industrial Marketing Management*, Vol **37**, Issue 1, 92 - 103
3. Talias M.(2007),“Optimal decision indices for R&D project evaluation in the Pharmaceutical industry: Pearson index versus Gittins index”, *European Journal of Operational Research*, **177**, 1105 - 1112
2. Leonidou L.C., D. Palihawadana and M. Talias (2007), “British consumers’ evaluations of U.S. versus Chinese goods: A multi-level and multi-cue comparison”, *European Journal of Marketing*, Vol. **41**, Issue 7/8, 786 - 820
1. Leonidou L.C., B. Barnes and M. Talias (2006),“Exporter-importer relationship quality: The inhibiting role of uncertainty, distance, and conflict”, *Industrial Marketing Management*, Vol **35**, Issue 5, 576 - 588

#### BOOKS

D. Bowers, N. Μίτλεττον, Θ. Καλαβανά, Δ. Λάμνισος, N. Παναγιώτου, Μ. Τάλιας (2011) ‘Θεμελιώδεις Έννοιες στη Βιοστατιστική - εισαγωγή για επαγγελματίες υγείας’- ISBN: 978-960-489-033-0

#### PHD PROGRAM

Supervised by M. Talias.

1. P.Petrou - title: “A quest towards introducing a pharmacoeconomics framework in Cyprus” - **ISBN, 978-9963-695-44-7** - URI: <http://hdl.handle.net/11128/2366> - July 2016 - (in English)
2. I. Karamitri - title: “Knowledge Management in Hospitals” - **ISBN, 978-9963-695-50-8**, URI: <http://hdl.handle.net/11128/2730> - January 2017 - (in Greek)
3. K. Michael - title: “Development, implementation and evaluation of a nutrition education program for primary school children within the health education course” - **ISBN, 978-9963-695-54-6** - January 2017 - (in Greek)
4. E. Papamichael - title: “The organization of a Neonatal Intensive Care Unit: Epidemiology and Parents’ satisfaction”- **ISBN, 978-9963-695-52-2** - January 2017 - (in Greek)
5. N. Papaeracleous - title: “The relationship between self-care, psychosocial adaptation and self-efficacy and glycemic control in Cypriot with type 2 diabetes” - **ISBN, 978-9963-695-57-7** - June 2017 (in Greek)
6. S. Zannetos- title: “Economic evaluation of bronchial asthma and fymatiosis in Cyprus” - **ISBN, 978-9963-695-56-0** - June 2017 (in Greek)
7. A. Stylianou - title: “Ethical and Medical aspects of new medical technology ” - **ISBN, 978-9963-695-61-4 978** - October 2017 (in Greek)

## TEACHING EXPERIENCE

Postgraduate program - Healthcare Management - 2010 - today  
Health Economics, Research Methods in Health Services, Economic Evaluation of Health Programs,  
Management Tools: Methods and Techniques

Postgraduate program - Healthcare Management - Spring 2011  
Seminar Lectures in Principles in Research Methodology and Biostatistics

Postgraduate program - Healthcare Management - Spring 2010  
Principles in Clinical Research Methodology

Cyprus University of Technology  
Department of Nursing - Fall 2009 (3 sections)  
Special Scientist Personnel in Biostatistics Lab

Department of Hotel and Tourism Management - Spring 2009  
Special Scientist Personnel in Statistical Analysis

- Open University Cyprus

Postgraduate program - Healthcare Management - 2010 - today  
Health Economics, Research Methods in Health Services, Economic Evaluation of Health Programs,  
Management Tools: Methods and Techniques

Postgraduate program - Healthcare Management - Spring 2011  
Seminar Lectures in Principles in Research Methodology and Biostatistics

Postgraduate program - Healthcare Management - Spring 2010  
Principles in Clinical Research Methodology

Cyprus University of Technology  
Department of Nursing - Fall 2009 (3 sections)  
Special Scientist Personnel in Biostatistics Lab

Department of Hotel and Tourism Management - Spring 2009  
Special Scientist Personnel in Statistical Analysis

- Mediterranean Institute of Management

Cyprus Productivity Center - Spring 2009  
Postgraduate Program in Management and Public Administration  
Lecturer in Operational Research

- University of Cyprus

*PBA346 Quantitative Business Methods II* - Spring 2007  
Applied regression analysis with application in Business, regression diagnostics, logistic regression,  
time series

*PBA447 Quantitative Business Methods III* - Spring 2007  
Applications in multivariate data analysis using SPSS software.

- International University Bremen

*Information Theory* - Fall 2006  
Designed for first time as a transdisciplinary course in Information theory with emphasis in applica-  
tions of information theory to everyday life

*Statistical Methods I* - Spring 2006, Spring 2005

An introduction to descriptive statistics, hypothesis testing, regression and correlation, analysis of variance and SPSS software.

*Statistical Methods II* - Fall 2005, Fall 2006

It focuses on multivariate statistical methods, in particular regression analysis, factor analysis, principal component analysis, and cluster analysis.

*Secondary Data Analysis* - Spring 2005

An introduction to the problems and techniques involved in secondary data analysis, discussion of common uses of secondary data analysis, issues of methodology and interpretation.

- University of Cyprus

*PBA447 Quantitative Business Methods III* - Spring 2004 (2 sections), Spring 2003

*PBA346 Quantitative Business Methods II* - Fall 2003 (2 sections), Fall 2004 (2 sections)

*PBA523 Advanced Quantitative Business Methods* (Postgraduate course) - Fall 2003

Syllabus: Linear and Logistic regression. Principal components analysis, Factor analysis, Discriminant analysis, Time series. Applications in Business. Analysis of Real data cases in SPSS.

- Cyprus College

*Multinational Business Finance* - Fall 2001

The scope of Multinational Business Finance, the Foreign Exchange Market, the Future and Options market, the International Monetary System

*Essentials of Financial Analysis* - Fall 2001, Spring 2002

Central concepts of financial management, financial statement analysis, business risk and returns and time value of money.

*Topics in Managerial Finance* - Spring 2002

The structure of optimal decisions relative to the functional areas of corporate financial decision making.

*Finite Mathematics with Calculus* - Spring 2002

*Probability & Statistics* (MBA) - Fall 2001.

*Statistics II* - Fall 2001, Spring 2002

#### ACADEMIC MEMBERSHIPS

- Member of the Royal Statistical Society (RSS), U.K., since 1996
- Member of the Institute for Operational Research and the Management Sciences (INFORMS), U.S.A., since 2007
- Member of the Institute of Mathematical Statistics, since 2007

#### ACADEMIC INTERESTS

Statistical Theory, Statistical Decision Processes, Bayesian Statistics, Bandit Problem, Information Theory, Finance and Optimization, Applied Multivariate Data Analysis in Healthcare Management, Stochastic Modeling in Health Economics, Business and Marketing

#### ADDITIONAL INFORMATION

**Languages** - Greek (native) and English

**IT Skills** - MS Office, Latex, Linux, and Statistical Packages (R, , SPSS, Winbugs, Mplus)