

**Curriculum Vitae**  
**(last informed on 2/11/2021)**

Name: Dimitris Mavridis  
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**EDUCATION – ACADEMIC POSITIONS**

February 2017-August 2017	Centre de recherché Inserm Epidemiologie et Statistique. Sorbonne Paris Cite (Sabbatical leave)
January 2021-	Associate Professor in Statistics for education and social sciences, Department of Primary Education, University of Ioannina
June 2015-January 2021	Assistant Professor in Statistics for education and social sciences, Department of Primary Education, University of Ioannina
January 2012-June 2015	Lecturer in Statistics for education and social sciences, Department of Primary Education, University of Ioannina
November 2010-October 2015	Post-doctoral researcher in the Department of Hygiene and Epidemiology, School of Medicine, University of Ioannina in the project “Integrating the Multiple Meta-Analysis” – see <a href="http://mtm.uoi.gr">mtm.uoi.gr</a> .
May 2009 - February 2010 August 2008 - April 2009	Military Service (obligatory in Greece) Temporary Lecturer at the School of Mathematics, University of Edinburgh
April 2008 - July 2008	Postdoctoral research associate in the School of Mathematics in the University of Edinburgh. Work on an EPSRC funded project titled 'The evaluation of evidence in the form of multivariate data and in the absence of population data', with Professor Colin Aitken as Principal Investigator.

- November 2006 – April 2008      Post-doctoral Research Associate, School of Mathematics, University of Edinburgh. Work on a grant awarded by ESRC titled 'Evidence: Its Nature and Evaluation' with Professor Colin Aitken of the University of Edinburgh as the Principal Investigator.
- May 2003-December 2006      D.Phil in Statistics at Athens University of Economics and Business. Funded by research program “Iraklitos: Fellowships for research of Athens University of Economics and Business” co-funded by the European Union. The D.Phil thesis is entitled ‘Goodness-of-fit measures and outlier detection in Latent Variable Models with categorical and Mixed data’. PhD supervisor: Irini Moustaki
- January 2005-July 2005      Visiting Research student at the London School of Economics (under the supervision of Dr Martin Knott).
- October 2000 - March 2003      M.Sc. in Statistics. Department of Statistics. Athens University of Economics and Business.
- October 1996 - June 2000      B.Sc. in Statistics. Department of Statistics. Athens University of Economics and Business.

## PUBLICATIONS

[https://scholar.google.ch/citations?user=7GrbG\\_oAAAAJ&hl=en](https://scholar.google.ch/citations?user=7GrbG_oAAAAJ&hl=en)  
[https://www.researchgate.net/profile/Dimitris\\_Mavridis3](https://www.researchgate.net/profile/Dimitris_Mavridis3)

## Chapters in books

- 1) White IR., **Mavridis D.** Dealing with missing data in meta-analysis, 3rd edition of *Systematic Reviews in Health Care: Meta- Analysis in Context*, BMJ publishing group (to appear).
- 2) Efthimiou O., Chaimani A, **Mavridis D**, Salanti G. Network meta-analysis in *Methods in Comparative Effectiveness Research*, 2017. Chapman & Hall/CRC Biostatistics Series C. Gatsonis & Morton S. (editors)
- 3) **Mavridis, D.**, Moustaki, I. and Knott, M. (2007). Goodness of fit measures for latent variable models for binary data. *Handbook of Latent Variable and Related Models*, Sik-Yum Lee (Editor), Elsevier.

- 4) Veroniki A.A., Tsokani S., Rücker G., **Mavridis D.**, Takwoingi Y. (2022) Challenges in Comparative Meta-Analysis of the Accuracy of Multiple Diagnostic Tests. In: Evangelou E., Veroniki A.A. (eds) Meta-Research. Methods in Molecular Biology, vol 2345. Humana, New York, NY.  
[https://doi.org/10.1007/978-1-0716-1566-9\\_18](https://doi.org/10.1007/978-1-0716-1566-9_18)
- 5) Veroniki AA, Seitidis G, Nikolakopoulos S, Ballester M, Beltran J, Heijmans M, **Mavridis D.** (2022) Modeling Multicomponent Interventions in Network Meta-Analysis. In: Evangelou E., Veroniki A.A. (eds) Meta-Research. Methods in Molecular Biology, vol 2345. Humana, New York, NY.  
[https://doi.org/10.1007/978-1-0716-1566-9\\_15](https://doi.org/10.1007/978-1-0716-1566-9_15)

## Published papers

### 2021

- 1) Veroniki AA, Tsokani S, White IR, Schwarzer G, Rücker G, **Mavridis D**, Higgins JPT, Salanti G. Prevalence of evidence of inconsistency and its association with network structural characteristics in 201 published networks of interventions. *BMC Med Res Methodol.* 2021 Oct 25;21(1):224. doi: 10.1186/s12874-021-01401-y.
- 2) Erre GL, **Mavridis D**, Woodman RJ, Mangoni AA. Placebo response in psoriatic arthritis clinical trials: a systematic review and meta-analysis. *Rheumatology (Oxford).* 2021 Oct 19: keab774. doi: 10.1093/rheumatology/keab774. Online ahead of print.
- 3) Veroniki AA, Tsokani S, Zevgiti S, Pagkalidou I, Kontouli KM, Ambarcioglu P, Pandis N, Lunny C, Nikolakopoulou A, Papakonstantinou T, Chaimani A, Straus SE, Hutton B, Tricco AC, **Mavridis D**, Salanti G. Do reporting guidelines have an impact? Empirical assessment of changes in reporting before and after the PRISMA extension statement for network meta-analysis. *Syst Rev.* 2021 Sep 10;10(1):246. doi: 10.1186/s13643-021-01780-9. PMID: 34507621; PMCID: PMC8434710.
- 4) Tsvigoulis G, Katsanos AH, Eggers J, Larrue V, Thomassen L, Grotta JC, Seitidis G, Schellinger PD, **Mavridis D**, Demchuk A, Novotny V, Molina CA, Veroniki AA, Köhrmann M, Soenne L, Khanevski AN, Barreto AD, Saqqur M, Psaltopoulou T, Muir KW, Fiebich JB, Rothlisberger T, Kent TA, Mandava P, Alexandrov AW, Alexandrov AV. Sonothrombolysis in Patients With Acute Ischemic Stroke With Large Vessel Occlusion: An Individual Patient Data Meta-Analysis. *Stroke.* 2021 Aug 25:STROKEAHA120030960. doi:10.1161/STROKEAHA.120.030960. Epub ahead of print. PMID: 34428930.
- 5) Seitidis G, Nikolakopoulos S, Hennessy EA, Tanner-Smith EE, **Mavridis D.** Network Meta-Analysis Techniques for Synthesizing Prevention Science

- Evidence. *Prev Sci.* 2021 Aug 13. doi: 10.1007/s11121-021-01289-6. Epub ahead of print. PMID: 34387806.
- 6) Katsanos AH, Palaiodimou L, Zand R, Yaghi S, Kamel H, Navi BB, Turc G, Benetou V, Sharma VK, **Mavridis D**, Shahjouei S, Catanese L, Shoamanesh A, Vadikolias K, Tsioufis K, Lagiou P, Sfrikakis PP, Alexandrov AV, Tsiodras S, Tsiougoulis G. Changes in Stroke Hospital Care During the COVID-19 Pandemic: A Systematic Review and Meta-Analysis. *Stroke.* 2021 Aug 4;STROKEAHA121034601. doi:10.1161/STROKEAHA.121.034601. Epub ahead of print. PMID: 34344166.
  - 7) Dautzenberg L, Beglinger S, Tsokani S, Zevgiti S, Rajjmann RCMA, Rodondi N, Scholten RJPM, Rutjes AWS, Di Nisio M, Emmelot-Vonk M, Tricco AC, Straus SE, Thomas S, Bretagne L, Knol W, **Mavridis D**, Koek HL. Interventions for preventing falls and fall-related fractures in community-dwelling older adults: A systematic review and network meta-analysis. *J Am Geriatr Soc.* 2021 Oct;69(10):2973-2984. doi: 10.1111/jgs.17375. Epub 2021 Jul 28. PMID: 34318929.
  - 8) Petropoulou M, Salanti G, Rücker G, Schwarzer G, Moustaki I, **Mavridis D**. A forward search algorithm for detecting extreme study effects in network meta-analysis. *Stat Med.* 2021 Jul 21. doi: 10.1002/sim.9145. Epub ahead of print. PMID: 34291499.
  - 9) Blum MR, Sallevelt BTGM, Spinewine A, O'Mahony D, Moutzouri E, Feller M, Baumgartner C, Roumet M, Jungo KT, Schwab N, Bretagne L, Beglinger S, Aubert CE, Wilting I, Thevelin S, Murphy K, Huibers CJA, Drenth-van Maanen AC, Boland B, Crowley E, Eichenberger A, Meulendijk M, Jennings E, Adam L, Roos MJ, Gleeson L, Shen Z, Marien S, Meinders AJ, Baretella O, Netzer S, de Montmollin M, Fournier A, Mouzon A, O'Mahony C, Aujesky D, **Mavridis D**, Byrne S, Jansen PAF, Schwenkglens M, Spruit M, Dalleur O, Knol W, Trelle S, Rodondi N. Optimizing Therapy to Prevent Avoidable Hospital Admissions in Multimorbid Older Adults (OPERAM): cluster randomised controlled trial. *BMJ.* 2021 Jul 13;374:n1585. doi: 10.1136/bmj.n1585. PMID: 34257088; PMCID: PMC8276068.
  - 10) Menne MC, Seitidis G, Faggion CM Jr, **Mavridis D**, Pandis N. Early Optimistic Effect in Periodontology and Implant Dentistry Trials. *J Dent Res.* 2021 Jul 8;220345211025242. doi: 10.1177/00220345211025242. Epub ahead of print. PMID: 34237225.
  - 11) Tsokani S, Antoniou SA, Moustaki I, López-Cano M, Antoniou GA, Flórez ID, Silecchia G, Markar S, Stefanidis D, Zanninotto G, Francis NK, Hanna GH, Morales-Conde S, Bonjer HJ, Brouwers MC, **Mavridis D**. Guideline Assessment Project II: statistical calibration informed the development of an AGREE II extension for surgical guidelines. *Surg Endosc.* 2021 Aug;35(8):4061-4068. doi: 10.1007/s00464-021-08604-w. Epub 2021 Jun 22. PMID: 34159464.
  - 12) Antoniou SA, **Mavridis D**, Kontouli KM, Drakopoulos V, Gorter-Stam M, Eriksson S, Leone M, Pérez-Bocanegra MC, Smart NJ, Milone M, Carrano FM, Antoniou GA, Vandvik PO. EAES rapid guideline: appendicitis in the elderly. *Surg Endosc.* 2021 Jul;35(7):3233-3243. doi: 10.1007/s00464-021-08524-9. Epub 2021 May 17. PMID: 33999255.

- 13) Anrys P, Petit AE, Thevelin S, Sallevelt B, Drenth C, Soiza RL, Correa-Pérez A, Dalleur O, De Brauwer I, Petrovic M, Coleman JJ, Dalton K, O'Mahony D, Löwe A, Thürig S, Gudmundsson A, Cherubini A, Panos A, **Mavridis D**, Rodondi N, Spinewine A. An International Consensus List of Potentially Clinically Significant Drug-Drug Interactions in Older People. *J Am Med Dir Assoc*. 2021 Oct;22(10):2121-2133.e24. doi: 10.1016/j.jamda.2021.03.019. Epub 2021 Apr 24. PMID: 33901428.
- 14) Camus-García E, González-González AI, Heijmans M, Niño de Guzmán E, Valli C, Beltran J, Pardo-Hernández H, Ninov L, Strammiello V, Immonen K, **Mavridis D**, Ballester M, Suñol R, Orrego C. Self-management interventions for adults living with Chronic Obstructive Pulmonary Disease (COPD): The development of a Core Outcome Set for COMPAR-EU project. *PLoS One* 2021, Mar 1; 16(3): e0247522. doi: 10.1371/journal.pone.0247522. eCollection 2021.
- 15) Dautzenberg L, Bretagne L, Koek HL, Tsokani S, Zevgiti S, Rodondi N, Scholten RJPM, Rutjes AW, Di Nisio M, Raijmann RCMA, Emmelot-Vonk M, Jennings ELM, Dalleur O, **Mavridis D**, Knol W. Medication review interventions to reduce hospital readmissions in older people. *J Am Geriatr Soc*. 2021 Feb 12. doi: 10.1111/jgs.17041. Online ahead of print.
- 16) Petropoulou M, Efthimiou O, Rücker G, Schwarzer G, Furukawa TA, Pompoli A, Koek HL, Del Giovane C, Rodondi N, **Mavridis D**. A review of methods for addressing components of interventions in meta-analysis. *PLoS One*. 2021 Feb 8;16(2):e0246631. doi: 10.1371/journal.pone.0246631. eCollection 2021.
- 17) Katsanos AH, Safouris A, Nikolakopoulos S, **Mavridis D**, Goyal N, Psychogios MN, Magoufis G, Krogias C, Catanese L, Van Adel B, Raphaeli G, Sarraj A, Themistocleous M, Kararizou E, Turc G, Arthur A, Alexandrov AV, Tsvigoulis G. Endovascular treatment for basilar artery occlusion: A systematic review and meta-analysis. *Eur J Neurol*. 2021 Jan 22. doi: 10.1111/ene.14751. Online ahead of print.
- 18) Katsanos AH, Palaiodimou L, Zand R, Yaghi S, Kamel H, Navi BB, Turc G, Romoli M, Sharma VK, **Mavridis D**, Shahjouei S, Catanese L, Shoamanesh A, Vadikolias K, Tsioufis K, Lagiou P, Alexandrov AV, Tsiodras S, Tsvigoulis G. The Impact of SARS-CoV-2 on Stroke Epidemiology and Care: A Meta-analysis. *Ann Neurol*. 2021 Feb;89(2):380-388. doi: 10.1002/ana.25967. Epub 2020 Dec 9.
- 19) Chaimani A, Porcher R, Sbidian É, **Mavridis D**. A Markov chain approach for ranking treatments in network meta-analysis. *Stat Med*. 2021 Jan 30;40(2):451-464. doi: 10.1002/sim.8784. Epub 2020 Oct 26.
- 20) Nguyen VT, Rivière P, Ripoll P, Barnier J, Vuillemot R, Ferrand G, Cohen-Boulakia S, Ravaud P, Boutron I; COVID-NMA Consortium Team. Research response to coronavirus disease 2019 needed better coordination and collaboration: a living mapping of registered trials. *J Clin Epidemiol*. 2021 Feb;130:107-116. doi: 10.1016/j.jclinepi.2020.10.010. Epub 2020 Oct 21 (**As part of the COVID-NMA consortium**).
- 21) Tsvigoulis G, Katsanos AH, Mandava P, Köhrmann M, Soinne L, Barreto AD, Sharma VK, Mikulik R, Muir KW, Rothlisberger T, Grotta JC, Levi CR, Molina CA, Saqqur M, **Mavridis D**, Psaltopoulou T, Vosko MR, Fiebach JB, Sandset EC, Kent TA, Alexandrov AW, Schellinger PD, Alexandrov AV; CLOTBUST-

- ER Trial Investigators. Blood pressure excursions in acute ischemic stroke patients treated with intravenous thrombolysis. *J Hypertens*. 2021 Feb 1;39(2):266-272. doi: 10.1097/HJH.0000000000002628.
- 22) Nikolakopoulou A, **Mavridis D**, Chiocchia V, Papakonstantinou T, Furukawa TA, Salanti G. Network meta-analysis results against a fictional treatment of average performance: Treatment effects and ranking metric. *Res Synth Methods*. 2021;12 (2):161–175. doi: 10.1002/jrsm.1463. Epub 2020 Nov 9.
- 23) Antoniou SA, Tsokani S, **Mavridis D**, Agresta F, López-Cano M, Muysoms FE, Morales-Conde S, Bonjer HJ, van Veldhoven T, Francis NK; EAES Consensus & Guideline Subcommittee. Insight into the methodology and uptake of EAES guidelines: a qualitative analysis and survey by the EAES Consensus & Guideline Subcommittee. *Surg Endosc*. 2021 Mar;35(3):1238-1246. doi: 10.1007/s00464-020-07494-8. Epub 2020 Apr 2.
- 24) Stylos G, Sargioti A, **Mavridis D**, Kotsis KT. Validation of the thermal concept evaluation test for Greek university students' misconceptions of thermal concepts. *International Journal of Science Education*. 2021, 43:2, 247-273, DOI: 10.1080/09500693.2020.1865587
- 25) Baourda VC, Brouzos A, **Mavridis D**, Vassilopoulos SP, Vatkali E, Boumpouli C. Group Psychoeducation for Anxiety Symptoms in Youth: Systematic Review and Meta-analysis. *The Journal for Specialists in Group Work*. 2021, DOI: 10.1080/01933922.2021.1950881
- 26) Brouzos A, Vatkali E, **Mavridis D**, Vassilopoulos SP, Baourda VC. Psychoeducation for Adults with Post-Traumatic Stress Symptomatology: A Systematic Review and Meta-Analysis. *J Contemp Psychother*. 2021, 1-10. <https://doi.org/10.1007/s10879-021-09526-3>

## 2020

- 27) Siafis S, Çıray O, Schneider-Thoma J, Bighelli I, Krause M, Rodolico A, Ceraso A, Deste G, Huhn M, Fraguas D, **Mavridis D**, Charman T, Murphy DG, Parellada M, Arango C, Leucht S. Placebo response in pharmacological and dietary supplement trials of autism spectrum disorder (ASD): systematic review and meta-regression analysis. *Mol Autism*. 2020 Aug 26;11(1):66. doi: 10.1186/s13229-020-00372-z.
- 28) Antoniou GA, **Mavridis D**, Tsokani S, López-Cano M, Flórez ID, Brouwers M, Markar SR, Silecchia G, Francis NK, Antoniou SA. Protocol of an interdisciplinary consensus project aiming to develop an AGREE II extension for guidelines in surgery. *BMJ Open*. 2020 Aug 11;10(8):e037107. doi: 10.1136/bmjopen-2020-037107.
- 29) Panos A, **Mavridis D**. TableOne: an online web application and R package for summarising and visualising data. *Evid Based Ment Health*. 2020 Aug;23(3):127-130. doi: 10.1136/ebmental-2020-300162. Epub 2020 Jul 14.
- 30) Katsanos AH, Seitidis G, Tsivgoulis G, **Mavridis D**. Probabilistic Reasoning in Stroke: A Primer to Statistical Literacy. *Stroke*. 2020 Aug;51(8):e144-e147. doi: 10.1161/STROKEAHA.120.030252. Epub 2020 Jul 9.

- 31) Palmer SC, **Mavridis D**, Johnson DW, Tonelli M, Ruospo M, Strippoli GFM. Comparative Effectiveness of Calcimimetic Agents for Secondary Hyperparathyroidism in Adults: A Systematic Review and Network Meta-analysis. *Am J Kidney Dis*. 2020 Sep;76(3):321-330. doi: 10.1053/j.ajkd.2020.02.439. Epub 2020 May 28.
- 32) Siafaka V, Zioga A, Evrenoglou T, **Mavridis D**, Tsabouri S. Illness perceptions and quality of life in families with child with atopic dermatitis. *Allergol Immunopathol (Madr)*. 2020 Nov-Dec;48(6):603-611. doi: 10.1016/j.aller.2020.03.003. Epub 2020 May 20.
- 33) Ballester M, Orrego C, Heijmans M, Alonso-Coello P, Versteegh MM, **Mavridis D**, Groene O, Immonen K, Wagner C, Canelo-Aybar C, Sunol R; COMPAR-EU consortium. Comparing the effectiveness and cost-effectiveness of self-management interventions in four high-priority chronic conditions in Europe (COMPAR-EU): a research protocol. *BMJ Open*. 2020 Jan 19;10(1):e034680. doi: 10.1136/bmjopen-2019-034680.
- 34) Tsokani S, **Mavridis D**, Hajibandeh S, Hajibandeh S, Antoniou GA, Andreou A, Antoniou SA. An observational study of missing data inquiry from randomized trial authors showed a poor response. *J Clin Epidemiol*. 2020 Mar;119:19-25. doi: 10.1016/j.jclinepi.2019.11.014. Epub 2019 Nov 25.
- 35) **Mavridis D**, Porcher R, Nikolakopoulou A, Salanti G, Ravaud P. Extensions of the probabilistic ranking metrics of competing treatments in network meta-analysis to reflect clinically important relative differences on many outcomes [published online ahead of print, 2019 Oct 29]. *Biom J*. 2020 Mar;62(2):375-385. doi:10.1002/bimj.201900026
- 36) Andreou A, Watson DI, **Mavridis D**, Francis NK, Antoniou SA. Assessing the efficacy and safety of laparoscopic antireflux procedures for the management of gastroesophageal reflux disease: a systematic review with network meta-analysis [published online ahead of print, 2019 Oct 18]. *Surg Endosc*. 2020 Feb;34(2):510-520. doi:10.1007/s00464-019-07208-9
- 37) **Mavridis D**, White IR. *Dealing with missing outcome data in meta-analysis*. *Res Synth Methods*. 2020 Jan;11(1):2-13. doi: 10.1002/jrsm.1349. Epub 2019 Jun 9. Review.
- 38) Boutron I, Chaimani A, Meerpohl JJ, Hróbjartsson A, Devane D, Rada G, Tovey D, Grasselli G, Ravaud P; COVID-NMA Consortium. The COVID-NMA Project: Building an Evidence Ecosystem for the COVID-19 Pandemic. *Ann Intern Med*. 2020 Dec 15;173(12):1015-1017. doi: 10.7326/M20-5261. Epub 2020 Sep 15. PMID: 32931326; PMCID: PMC7518109. (As part of the **COVID-NMA consortium**).

## 2019

- 39) Veroniki AA, Ashoor HM, Le SPC, et al. Retrieval of individual patient data depended on study characteristics: a randomized controlled trial. *J Clin Epidemiol*. 2019;113:176–188. doi:10.1016/j.jclinepi.2019.05.031

- 40) Tsikopoulos K, Bidossi A, Drago L, et al. Is Implant Coating With Tyrosol- and Antibiotic-loaded Hydrogel Effective in Reducing Cutibacterium (Propionibacterium) acnes Biofilm Formation? A Preliminary In Vitro Study. *Clin Orthop Relat Res.* 2019;477(7):1736–1746. doi:10.1097/CORR.0000000000000663
- 41) Leucht S, Chaimani A, **Mavridis D**, et al. Disconnection of drug-response and placebo-response in acute-phase antipsychotic drug trials on schizophrenia? Meta-regression analysis. *Neuropsychopharmacology.* 2019;44(11):1955–1966. doi:10.1038/s41386-019-0440-6
- 42) Tsigoulis G, Katsanos AH, **Mavridis D**, et al. Association of Baseline Hyperglycemia With Outcomes of Patients With and Without Diabetes With Acute Ischemic Stroke Treated With Intravenous Thrombolysis: A Propensity Score-Matched Analysis From the SITS-ISTR Registry. *Diabetes.* 2019;68(9):1861–1869. doi:10.2337/db19-0440
- 43) **Mavridis D**. Network meta-analysis in a nutshell. *Evid Based Ment Health.* 2019;22(3):100–101. doi:10.1136/ebmental-2019-300104
- 44) Alexandrov AV, Tsigoulis G, Köhrmann M, et al. Endovascular equipoise shift in a phase III randomized clinical trial of sonothrombolysis for acute ischemic stroke. *Ther Adv Neurol Disord.* 2019;12:1756286419860652. Published 2019 Jul 12. doi:10.1177/1756286419860652
- 45) Tsigoulis G, Katsanos AH, Köhrmann M, et al. Duration of Implantable Cardiac Monitoring and Detection of Atrial Fibrillation in Ischemic Stroke Patients: A Systematic Review and Meta-Analysis. *J Stroke.* 2019;21(3):302–311. doi:10.5853/jos.2019.01067
- 46) Bellos S, **Mavridis D**, Mavreas V, Skapinakis P. Factor analysis and normative scores of Alcohol Use Disorders Identification Test (AUDIT) in a representative sample of the general population of Greece. *Psychiatriki.* 2019;30(3):204–215. doi:10.22365/jpsych.2019.303.204
- 47) Tsigoulis G, Kargiotis O, Katsanos AH, Patousi A, **Mavridis D**, Tsokani S. et al. Incidence, characteristics and outcomes in patients with embolic stroke of undetermined source: A population-based study. *J Neurol Sci.* 2019 Apr 6;401:5-11. doi: 10.1016/j.jns.2019.04.008
- 48) Alexandrov AV, Köhrmann M, Soenne L, Tsigoulis G, Barreto AD, Demchuk AM, Sharma VK, Mikulik R, Muir KW, Brandt G, Alleman J, Grotta JC, Levi CR, Molina CA, Saqqur M, **Mavridis D**, Psaltopoulou T, Vosko M, Fiebach JB, Mandava P, Kent TA, Alexandrov AW, Schellinger PD; CLOTBUST-ER Trial Investigators. Safety and efficacy of sonothrombolysis for acute ischaemic stroke: a multicentre, double-blind, phase 3, randomised controlled trial. *Lancet Neurol.* 2019 Apr;18(4):338-347. doi: 10.1016/S1474-4422(19)30026-2.
- 49) **Mavridis D**, Salanti G, Furukawa TA, Cipriani A, Chaimani A, White IR. Allowing for uncertainty due to missing and LOCF imputed outcomes in meta-analysis. *Stat Med.* 2019 Feb 28;38(5):720-737. doi: 10.1002/sim.8009. Epub 2018 Oct 22.
- 50) Aitken C, **Mavridis D**. Reasoning under uncertainty. *Evid Based Ment Health.* 2019 Feb;22(1):44-48. doi: 10.1136/ebmental-2018-300074.



- 51) Hennessy EA, Tanner-Smith EE, **Mavridis D**, Grant SP. Comparative Effectiveness of Brief Alcohol Interventions for College Students: Results from a Network Meta-Analysis. *Prev Sci*. 2019 Jan 2. 2019 Jul;20(5):715-740 doi: 10.1007/s11121-018-0960-z.
- 52) Kapetanios D, Kontopodis N, **Mavridis D**, McWilliams RG, Giannoukas AD, Antoniou GA. Meta-analysis of the accuracy of contrast-enhanced ultrasound for the detection of endoleak after endovascular aneurysm repair. *J Vasc Surg*. 2019 Jan;69(1):280-294.e6. doi: 10.1016/j.jvs.2018.07.044. Epub 2018 Oct 29.
- 53) Antoniou SA, Koelemay M, Antoniou GA, Mavridis D. A Practical Guide for Application of Network Meta-Analysis in Evidence Synthesis. *Eur J Vasc Endovasc Surg*. 2019 Jul;58(1):141-144. doi: 10.1016/j.ejvs.2018.10.023. Epub 2018 Dec 6. PMID: 30528457.

## 2018

- 54) Chaimani A, **Mavridis D**, Higgins JPT, Salanti G, White IR. Allowing for informative missingness in aggregate data meta-analysis with continuous or binary outcomes: Extensions to metamiss. *The Stata Journal* 2018 18(3) 716-740.
- 55) Antoniou SA, Tsokani S, **Mavridis D**, López-Cano M, Antoniou GA, Stefanidis D, Francis NK, Smart N, Muysoms FE, Morales-Conde S, Bonjer HJ, Brouwers MC. Guideline Assessment Project: Filling the GAP in Surgical Guidelines: Quality Improvement Initiative by an International Working Group. *Ann Surg*. 2018 Sep 4.
- 56) **Mavridis D**. Contribution to the discussion of “When should meta-analysis avoid making hidden normality assumptions?” *Biom J*. 2018 Aug 1
- 57) Fountoulakis KN, Karavelas V, Moysidou S, **Mavridis D**, Pasiadis K, Petalidou N, Nimatoudis I, Kasper S. Efficacy of Add-on Pregabalin in the Treatment of Patients with Generalized Anxiety Disorder and Unipolar Major Depression With an Early Nonresponse to Escitalopram: A Double-Blind Placebo-Controlled Study. *Pharmacopsychiatry*. 2018 Aug 31
- 58) Tsvigoulis G, Katsanos AH, **Mavridis D**, Gdovinova Z, Karliński M, Macleod MJ, Strbian D, Ahmed N. Intravenous Thrombolysis for Ischemic Stroke Patients on Dual Antiplatelets. *Ann Neurol*. 2018 Jul;84(1):89-97
- 59) Tsvigoulis G, Katsanos AH, **Mavridis D**, Frogoudaki A, Vrettou AR, Ikonomidis I, Parissis J, Deftereos S, Karapanayiotides T, Palaiodimou L, Filippatou A, Perren F, Hadjigeorgiou G, Alexandrov AW, Mitsias PD, Alexandrov AV. Percutaneous patent foramen ovale closure for secondary stroke prevention: Network meta-analysis. *Neurology*. 2018 Jul 3;91(1):e8-e18
- 60) Tsikopoulos K, **Mavridis D**, Georgiannos D, Vasiliadis HS. Does Multimodal Rehabilitation for Ankle Instability Improve Patients' Self-assessed Functional Outcomes? A Network Meta-analysis. *Clin Orthop Relat Res*. 2018 Jun;476(6):1295-1310.
- 61) Leucht S, Chaimani A, Leucht C, Huhn M, **Mavridis D**, Helfer B, Samara M, Cipriani A, Geddes JR, Salanti G, Davis JM. 60 years of placebo-controlled

- antipsychotic drug trials in acute schizophrenia: Meta-regression of predictors of placebo response. *Schizophr Res*. 2018 May 24. pii: S0920-9964(18)30266-4.
- 62) Tsikopoulos K, **Mavridis D**, Georgiannos D, Cain MS. Efficacy of non-surgical interventions on dynamic balance in patients with ankle instability: A network meta-analysis. *J Sci Med Sport*. 2018 Sep; 21(9): 873-879.
- 63) Pateras K, Nikolakopoulos S, **Mavridis D**, Roes KCB. Interval estimation of the overall treatment effect in a meta-analysis of a few small studies with zero events. *Contemp Clin Trials Commun*. 2018 Mar; 9: 98–107.
- 64) Nikolakopoulou A, **Mavridis D**, Furukawa TA, Cipriani A, Tricco AC, Straus SE, Siontis GCM, Egger M, Salanti G. Living network meta-analysis compared with pairwise meta-analysis in comparative effectiveness research: empirical study. *BMJ*. 2018; 360: k585.
- 65) George CM Siontis, **Mavridis D**, Greenwood JP, Coles B, Nikolakopoulou A, Jüni P, Salanti S, Windecker S. Outcomes of non-invasive diagnostic modalities for the detection of coronary artery disease: network meta-analysis of diagnostic randomised controlled trials. *BMJ*. 2018; 360: k504.
- 66) Tsikopoulos K, Papaioannou P, Kitridis D, **Mavridis D**, Georgiannos D. Proximal versus distal metatarsal osteotomies for moderate to severe hallux valgus deformity: a systematic review and meta-analysis of clinical and radiological outcomes. *Int Orthop*. 2018 Aug;42(8):1853-1863.
- 67) Midtiby SL, Wedderkopp N, Larsen RT, Carlsen AF, **Mavridis D**, Shrier I. Effectiveness of interventions for treating apophysitis in children and adolescents: protocol for a systematic review and network meta-analysis. *Chiropr Man Therap*. 2018 Oct 23;26:41. doi: 10.1186/s12998-018-0209-8. PMID: 30386556; PMCID: PMC6198434.

## 2017

- 68) **Mavridis D**, Moustaki I, Wall M, Salanti G. Detecting outlying studies in meta-regression models using a forward search algorithm. *Res Synth Methods*. 2017 Jun;8(2):199-211.
- 69) Efthimiou O, **Mavridis D**, Nikolakopoulou A, Rücker G, Trelle S, Egger M, Salanti G. A model for meta-analysis of correlated binary outcomes: The case of split-body interventions. *Statistical Methods in Medical Research*. 2017 (available online)
- 70) Koskinas KC, Siontis GCM, Piccolo R, **Mavridis D**, Räber L, Mach F, Windecker S. Effect of statins and non-statin LDL-lowering medications on cardiovascular outcomes in secondary prevention: a meta-analysis of randomized trials. *European Heart Journal*. 2017(available online)
- 71) Antoniou SA, **Mavridis D**, Hajibandeh S, Hajibandeh S, Antoniou GA, Gorter R, Tenhagen M, Koutras C, Pointner R, Chalkiadakis GE, Granderath FA, Fragiadakis GF, Philalithis AE, Bonjer HJ. Optimal stump management in laparoscopic appendectomy: A network meta-analysis by the Minimally Invasive Surgery Synthesis of Interventions and Outcomes Network. *Surgery*. 2017 Nov;162(5):994-1005

- 72) Petropoulou M, **Mavridis D**. A comparison of 20 heterogeneity variance estimators in statistical synthesis of results from studies: a simulation study. *Statistics in Medicine*. 2017 Nov 30;36(27):4266-4280.
- 73) Leucht S, Leucht C, Huhn M, Chaimani A, **Mavridis D**, Helfer B, Samara M, Rabaioli M, Bächer S, Cipriani A, Geddes JR, Salanti G, Davis JM. Sixty Years of Placebo-Controlled Antipsychotic Drug Trials in Acute Schizophrenia: Systematic Review, Bayesian Meta-Analysis, and Meta-Regression of Efficacy Predictors. *American Journal of Psychiatry*. 2017 Oct 1;174(10):927-942.
- 74) Tsivgoulis G, Katsanos AH, **Mavridis D**, Alexandrov AW, Magoufis G, Arthur A, Caso V, Schellinger PD, Alexandrov AV. Endovascular thrombectomy with or without systemic thrombolysis? *Therapeutic Advances in Neurological Disorders*. 2017 Mar;10(3):151-160.
- 75) Laou E, Milionis H, Petrou A, Arnaoutoglou E, Glantzounis G, Bairaktari E, **Mavridis D**, Mikhailidis DP, Papadopoulos G, Tzimas P. The impact of metabolic syndrome and its components on perioperative outcomes after elective laparotomy -A prospective observational study. *Am J Surg*. 2017 (published online)
- 76) Terkawi AS, **Mavridis D**, Sessler DI, Nunemaker MS, Doais KS, Terkawi RS, Terkawi YS, Petropoulou M, Nemergut EC. Pain Management Modalities after Total Knee Arthroplasty: A Network Meta-analysis of 170 Randomized Controlled Trials. *Anesthesiology*. 2017 (published online)
- 77) Palmer SC, Tunnicliffe DJ, Singh-Grewal D, **Mavridis D**, Tonelli M, Johnson DW, Craig JC, Tong A, Strippoli GFM. Induction and Maintenance Immunosuppression Treatment of Proliferative Lupus Nephritis: A Network Meta-analysis of Randomized Trials. *American Journal of Kidney Diseases*. 2017 Sep;70(3):324-336.
- 78) Efthimiou O, **Mavridis D**, Debray TP, Samara M, Belger M, Siontis GC, Leucht S, Salanti G; GetReal Work Package 4. Combining randomized and non-randomized evidence in network meta-analysis. *Stat Med*. 2017 Apr 15;36(8):1210-1226.

## 2016

- 79) Tsivgoulis G, Katsanos AH, **Mavridis D**, Grigoriadis N, Dardiotis E, Heliopoulos I, Papathanasopoulos P, Karapanayiotides T, Kilidireas C, Hadjigeorgiou GM, Voumvourakis K; HELANI (Hellenic Academy of Neuroimmunology). The Efficacy of Natalizumab versus Fingolimod for Patients with Relapsing-Remitting Multiple Sclerosis: A Systematic Review, Indirect Evidence from Randomized Placebo-Controlled Trials and Meta-Analysis of Observational Head-to-Head Trials. *PLoS One*. 2016 Sep 29;11(9):e0163296.
- 80) Leontopoulou S, **Mavridis D**, Giotsa A. Psychometric Properties of the Greek Inventory of the Dimensions of Emerging Adulthood (IDEA). University Student Perceptions of Developmental Features. *Journal of Adult Development* 23(4), 226-244

- 81) Nikolakopoulou A, **Mavridis D**, Egger M, Salanti G. Continuously updated network meta-analysis and statistical monitoring for timely decision-making. *Statistical Methods in Medical Research* 2016;35(7):978-1000
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- 84) Palmer SC, **Mavridis D**, Nicolucci A, Johnson DW, Tonelli M, Craig JC, Maggo J, Gray V, De Berardis G, Ruospo M, Natale P, Saglimbene V, Badve SV, Cho Y, Nadeau-Fredette AC, Burke M, Faruque L, Lloyd A, Ahmad N, Liu Y, Tiv S, Wiebe N, Strippoli GF. Comparison of Clinical Outcomes and Adverse Events Associated With Glucose-Lowering Drugs in Patients With Type 2 Diabetes: A Meta-analysis. *JAMA* 2016;316(3):313-24.
- 85) Siontis GC, Praz F, Pilgrim T, **Mavridis D**, Verma S, Salanti G, Søndergaard L, Jüni P, Windecker S. Transcatheter aortic valve implantation vs. surgical aortic valve replacement for treatment of severe aortic stenosis: a meta-analysis of randomized trials. *European Heart Journal* 2016;37(47):3503-3512
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- 90) **Mavridis D**, Palmer SC, Strippoli GF. Comparative superiority of ACE inhibitors over angiotensin receptor blockers for people with CKD: Does it matter? *American Journal of Kidney Diseases* 2016; 67(5):713-5.
- 91) Terkawi AS, **Mavridis D**, Flood P, Wetterslev J, Terkawi RS, Bin Abdulhak AA, Nunemaker MS, Tiouririne M. Does Ondansetron Modify Sympathectomy Due to Subarachnoid Anesthesia?: Meta-analysis, Meta-regression, and Trial Sequential Analysis. *Anesthesiology* 2016;124(4):846-69

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- 93) Nikolakopoulou A, **Mavridis D**, Salanti G. Planning future studies based on the precision of network meta-analysis results. *Statistics in Medicine* 2016;35(7), 978-1000

## 2015

- 94) Koutsogiannou P, Dimoliatis ID, **Mavridis D**, Bellos S, Karathanos V, Jelastopulu E. Validation of the Postgraduate Hospital Educational Environment Measure (PHEEM) in a sample of 731 Greek residents. *BMC Research Notes* 2015;8(1):734.
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- 97) **Mavridis D**, Giannatsi M, Cipriani A, Salanti G. A primer on network meta-analysis with emphasis on mental health. *Evidence Based Mental Health* 2015;18(2):40-6.
- 98) Helfer B, Prosser A, Samara MT, Geddes JR, Cipriani A, Davis JM, **Mavridis D**, Salanti G, Leucht S. Recent meta-analyses neglect previous systematic reviews and meta-analyses about the same topic: a systematic examination. *BMC Medicine* 2015;13:82.
- 99) Efthimiou O, **Mavridis D**, Riley RD, Cipriani A, Salanti G. Joint synthesis of multiple correlated outcomes in networks of interventions. *Biostatistics* 2015;16(1):84-97.

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- 100) Palmer SC, Saglimbene V, Mavridis D, Salanti G, Craig JC, Tonelli M, Wiebe N, Strippoli GF. Erythropoiesis-stimulating agents for anaemia in adults with chronic kidney disease: a network meta-analysis. *Cochrane Database of Systematic Reviews* 2014;12:CD010590.
- 101) **Mavridis D**, White IR, Higgins JP, Cipriani A, Salanti G. Allowing for uncertainty due to missing continuous outcome data in pairwise and network meta-analysis. *Statistics in Medicine* 2015;34(5):721-4. Epub 2014 Nov 13.
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- 103)** Chaimani A, **Mavridis D**, Salanti G. A hands-on practical tutorial on performing meta-analysis with Stata. *Evidence Based Mental Health* 2014;17(4):111-6.
- 104)** Veroniki AA, **Mavridis D**, Higgins JP, Salanti G. Characteristics of a loop of evidence that affect detection and estimation of inconsistency: a simulation study. *BMC Medical Research Methodology* 2014;14:106.
- 105)** Nikolakopoulou A, **Mavridis D**, Salanti G. Using conditional power of network meta-analysis (NMA) to inform the design of future clinical trials. *Biometrical Journal* 2014 ;56(6):973-90.
- 106)** **Mavridis D**, Chaimani A, Efthimiou O, Salanti G. Missing outcome data in meta-analysis. *Evidence Based Mental Health* 2014
- 107)** **Mavridis D**, Chaimani A, Efthimiou O, Leucht S, Salanti G. Addressing missing outcome data in meta-analysis. *Evidence Based Mental Health* 2014;17(3):85-9.
- 108)** Efthimiou O, **Mavridis D**, Cipriani A, Leucht S, Bagos P, Salanti G. An approach for modelling multiple correlated outcomes in a network of interventions using odds ratios. *Statistics in Medicine* 2014;33(13):2275-87.
- 109)** Nikolakopoulou A, **Mavridis D**, Salanti G. How to interpret meta-analysis models: fixed effect and random effects meta-analyses. *Evidence Based Mental Health* 2014;17(2):64.
- 110)** Nikolakopoulou A, **Mavridis D**, Salanti G. Demystifying fixed and random effects meta-analysis. *Evidence Based Mental Health* 2014;17(2):53-7
- 111)** **Mavridis D**, Salanti G. How to assess publication bias: funnel plot, trim-and-fill method and selection models. *Evidence Based Mental Health* 2014;17(1):30.
- 112)** **Mavridis D**, Salanti G. Exploring and accounting for publication bias in mental health: a brief overview of methods. *Evidence Based Mental Health* 2014;17(1):11-5.
- 113)** **Mavridis D**, Ntzoufras I. Stochastic search item selection for factor analytic models. *British Journal of Mathematical and Statistical Psychology*. 2014;67(2):284-303.

### Prior to 2014

- 114)** Chaimani A, Higgins JP, **Mavridis D**, Spyridonos P, Salanti G. Graphical tools for network meta-analysis in STATA. *PLoS One*. 2013;8(10):e76654. doi: 10.1371/journal.pone.0076654.
- 115)** Leucht S, Cipriani A, Spinelli L, **Mavridis D**, Orey D, Richter F, Samara M, Barbui C, Engel RR, Geddes JR, Kissling W, Stapf MP, Lässig B, Salanti G, Davis JM. Comparative efficacy and tolerability of 15 antipsychotic drugs in schizophrenia: a multiple-treatments meta-analysis. *Lancet*. 2013;382(9896):951-62.
- 116)** Del Giovane C, Vacchi L, **Mavridis D**, Filippini G, Salanti G. Network meta-analysis models to account for variability in treatment definitions: application to dose effects. *Statistics in Medicine*. 2013;32(1):25-39.

- 117) **Mavridis D**, Sutton A, Cipriani A, Salanti G. A fully Bayesian application of the Copas selection model for publication bias extended to network meta-analysis. *Statistics in Medicine*. 2013;32(1):51-66.
- 118) **Mavridis D**, Salanti G. A practical introduction to multivariate meta-analysis. *Statistical Methods in Medical Research*. 2013;22(2):133-58.
- 119) **Mavridis D**, Aitken CG. Sample size determination for categorical responses. *Journal of Forensic Sciences*. 2009;54(1):135-51.
- 120) **Mavridis D**, Moustaki I. Detecting Outliers in Factor Analysis Using the Forward Search Algorithm. *Multivariate Behavioral Research*. 2008;43(3):453-75.
- 121) **Mavridis, D.**, and Moustaki, I. (2009), I. The forward search algorithm for detecting aberrant response patterns in factor analysis for binary data. *Journal of Computational and Graphical Statistics*, 18(4), 1016-1034.
- 122) Moustaki, I., Joreskog, K. and **Mavridis, D.**, (2004). Factor models for ordinal variables with covariate effects on the manifest and latent variables: A comparison of LISREL and IRT approaches. *Structural Equation Modeling*, 11, 487-513.

#### **Papers in conference proceedings**

- Athanasiou L., Mikropoulos T.A., **Mavridis D.** (2018) Robotics Interventions for improving educational outcomes, A meta-analysis. *International Conference on Technology and Innovation in Learning, Teaching and Education*, Thessaloniki, Greece, June 20-22
- Gkantolias V., **Mavridis D.**, (2018). Reinforcing positive behavior and supporting students' development of self-regulation skills with the Class Dojo online tool, ISBN:978-960-99301-5-4 (τ. 3):45-57.
- Tsiara A, Mikropoulos TA, **Mavridis D**, Mercier, J. (2017). Event-related brain potentials from pictures relevant to disaster education. *International Conference on Brain Function Assessment in Learning*, 144-158, Patras, Greece
- **Mavridis, D.**, and Aitken, C. G. G. (2008). Determination of sample size in multinomial populations with an application in forensic science. *ICFIS 2008*, Lausanne.
- **Mavridis, D.**, and Moustaki, I. (2007). Implementing the forward search algorithm in latent variable models for identifying outliers and extreme response patterns (Invited paper). *ISI 2007*, Lisbon.
- **Mavridis, D.**, and Aitken, C. G. G. (2007). Determination of sample size in multinomial populations with an application in forensic science. *ISI 2007*, Lisbon.

#### **CONFERENCES (only oral presentations and first author)**

- Corfu, Greece, 26-29 May 2016. 1<sup>st</sup> Congress on Evidence Based Mental Health: From Research to Clinical Practice. Publication Bias in Mental Health Trials.

- Austin, Texas, 6-9 March 2016, ENAR spring meeting. Allowing for uncertainty due to missing outcome data in pairwise and network meta analysis.
- Vienna, Austria, 23<sup>rd</sup> Cochrane colloquium. The impact of publication bias and small study effects in the efficacy and ranking of antipsychotics.
- Utrecht, the Netherlands, 36<sup>th</sup> Conference of the International Society for Clinical Biostatistics. Detecting outlying studies in meta-regression models using a forward search algorithm.
- Vienna, Austria, 24-28 August 2014, 35<sup>th</sup> Conference of the International Society for Clinical Biostatistics. Addressing continuous missing outcomes in pair-wise and network meta-analysis
- Quebec, Canada, 19-23 September 2013, 21<sup>th</sup> Cochrane Colloquium. A selection model to explore whether publication bias is more likely in two-arm and placebo-controlled trials rather than in multi-arm and head-to-head studies.
- Munich, Germany, 24-29 August 2013, 34<sup>th</sup> Conference of the International Society for Clinical Biostatistics. A selection model to account for publication bias in a full network meta-analysis.
- Madrid, Spain, 19-23 October 2011, 19<sup>th</sup> Cochrane Colloquium. Bayesian Implementation of a Selection Model for Publication Bias.
- Nottingham, United Kingdom, 2-5 September 2008. Royal Statistical Society Conference 2008. Sample Size Determination for Categorical Responses.
- Lausanne, Switzerland, 20-24 August 2008. The 7<sup>th</sup> International Conference on Forensic Inference and Statistics (ICFIS). Determination of sample size in multinomial populations with an application in forensic science.
- Durham, New Hampshire, USA 29 June-2 July: 73<sup>rd</sup> International Meeting of the Psychometric Society (IMPS) 2008. Goodness-of-Fit Tests and Detection of Atypical Response Patterns in Latent Variable Models Using Posterior Predictive Checks.
- Lisbon, Portugal-August 2007:25<sup>th</sup> Biennial Meeting of the Society for Multivariate Analysis in the Behavioural Sciences (SMABS). Paper presented: Detection of outliers in Latent Variable Models using the forward search algorithm.
- Budapest, Hungary-July 2006: 25<sup>th</sup> Biennial Meeting of the Society for Multivariate Analysis in the Behavioural Sciences (SMABS). Paper presented: Detection of outliers in Latent Variable Models using the forward search algorithm.

#### **WORKSHOPS/SEMINARS as presenter**

- Utrecht, October 2019, Cochrane Netherlands, Symposium, Increasing Value of research in healthcare, 25<sup>th</sup> anniversary of Cochrane Netherlands, Invited Workshop on Network Meta-Analysis.



- Ioannina, Hellenic Statistics Institute, Greece. 30 May – 1 June. Statistical models in evidence synthesis (five-hour workshop).
- American University of Beirut, Lebanon, 11-12 February 2019. A primer in network meta-analysis workshop.
- Edinburgh, United Kingdom, 16-18 September 2018 (25th Cochrane Colloquium).
  - Accounting for missing outcome data in pairwise and network meta-analysis.
- Seoul, South Korea, 23-27 October 2016 (24<sup>th</sup> Cochrane Colloquium).
  - Accounting for missing outcome data in meta-analysis, Part 2.
  - Methods for including non-randomized studies in a network meta-analysis
  - Graphs to enhance understanding and improve interpretability of the evidence from network meta-analysis
- Bogota, Colombia, 16-18 August 2016. Network Meta-Analysis, Departamento de Epidemiologia Clinica y Bioestadística, Facultad de Medicina, Pontificia Universidad JAVERIANA.
- Athens, Cochrane mid-year meeting 2015. Parallel workshop on Network Meta-Analysis.
- Vienna, Austria, 3-7 October 2015 (23<sup>rd</sup> Cochrane Colloquium). Accounting for missing outcome data in meta-analysis.
- Bordeaux, France 4-5 June 2015. INSERM workshop: Network Meta-Analysis
- American University of Beirut, Lebanon, 28-29 May 2015. Advanced Meta-Analysis Workshop.
- Hyderabad, India, 21-26 September 2014. 1) Accounting for missing outcome data in meta-analysis (with Anna Chaimani and Orestis Efthimiou) 2) Comparing multiple treatments 2: statistical methods for network meta-analysis (with Anna Chaimani) 3) Graphs to enhance understanding and improve interpretability of the evidence for network meta-analysis: a hands-on tutorial in STATA (with Anna Chaimani) 4) Introduction to meta-analysis 3: dealing with heterogeneity (with Orestis Efthimiou)
- Belfast, N. Ireland 16-19 June 2014. Network Meta-Analysis  
<https://www.youtube.com/watch?v=SWfi9v-TaV4>
- Quebec, Canada 19-23 September 2013. 1) Heterogeneity in meta-analysis (with Anna Chaimani). 2) Introduction to Network meta-analysis (co-presenter with Argie Veroniki, Georgia Salanti, Julian Higgins).3) Graphs to enhance understanding and improve interpretability of the evidence from network meta-analysis: a hands-on tutorial in Stata (with Anna Chaimani, Georgia Salanti, Argie Veroniki)
- Milan, Italy, 30 May 2013. Challenges in comparing multiple competing treatments. An introduction to network meta-analysis. Department of biostatistics and experimental statistics. University of Milano-Bicocca.

- Madrid, Spain, 19-23 October 2011, 19<sup>th</sup> Cochrane Colloquium Introduction to meta-analysis 2: Effect measures for dichotomous outcomes (with Areti-Angeliki Veroniki).
- Bogota, Colombia, 1-3 August 2011. Introduction to Meta-Analysis and Multiple Treatment Meta-Analysis, Departamento de Epidemiologia Clinica y Bioestadística, Facultad de Medicina, Pontificia Universidad JAVERIANA.
- Edinburgh, UK-June 13-14: FORSTAT workshop, Forensic Evidence Evaluation, Problems and Applications. Teach a 90 minute workshop titled 'Sample Size Estimation - a dichotomous example'.

## TEACHING

- Paris University Descartes. Network Meta-Analysis (2017 - ). Master of Public Health. Comparative Effectiveness Research.
- Biostatistics (2014-2019) (Postgraduate studies, Department of Mathematics, University of Ioannina)
- Statistical analysis and design of experiments (2014 - ) (Postgraduate studies, Department of Primary Education, University of Ioannina)
- 'Numerical Analysis' (2011 - ), 'Introduction to Calculus' (2011 – 2012), 'Introduction to statistics' (2010 - ), 'Geometry' (2010 – 2018), 'Statistics in the social sciences' (2012 - ), Department of Primary Education, University of Ioannina }
- 'Stochastic Modeling' 2008 (postgraduate students in 'Operational Research'), School of Mathematics, University of Edinburgh
- 'Simulation' 2008 (undergraduate and postgraduate students from the masters in 'Financial Mathematics'), School of Mathematics, University of Edinburgh
- 'Probability and Statistics' 2007 (undergraduate), School of Mathematics, University of Edinburgh

## PhD SUPERVISION

Completed theses (member of the committee evaluating the PhD)

As main supervisor

- Petropoulou, M. (2017 - 2020). Exploring methodological challenges in meta-analysis models and developing methodology for outlier detection methods. Department of Primary Education, School of Education, University of Ioannina. Funded from General Secretariat of Research and Technology.

As member of the three-member advisory committee

- Efthimiou, O. (2017). Multivariate extensions of meta-analysis. Department of Hygiene and Epidemiology, School of Medicine, University of Ioannina, Greece
- Nikolakopoulou, A. (2017). Design of randomized control trials according to the principles of evidence based medicine. Institute of Social and Preventive Medicine, University of Bern, Switzerland

As member of the seven-member evaluation committee (I list in detail only those in which I collaborated with the researchers for future projects. I am also involved in at least 10 more theses in the Department of Education and in the School of Medicine

- Chaimani, A. (2014). Investigating bias in network meta-analysis. Department of Hygiene and Epidemiology, School of Medicine, University of Ioannina, Greece
- Pandis, N. (2015). Evidence from Systematic Reviews in Dental Research. Department of Hygiene and Epidemiology, School of Medicine, University of Ioannina, Greece
- Siontis, GHM. (2015). Empirical Assessment of the discrimination ability of cardiovascular disease risk prediction models for mortality. Department of Hygiene and Epidemiology, School of Medicine, University of Ioannina, Greece
- Veroniki, AA. (2014). Study of the heterogeneity and inconsistency in networks of multiple interventions. Department of Hygiene and Epidemiology, School of Medicine, University of Ioannina, Greece

Currently supervising four PhD (principal investigator)

- Tsokani, S. (2019 - ). Network meta-analysis of diagnostic test accuracy studies. Department of Primary Education, School of Education, University of Ioannina.
- Seitidis, G. (2020 - ). Variable selection in individual participant data meta-analysis. Department of Primary Education, School of Education, University of Ioannina.
- Kontouli, KM. (2020 - ) Inclusion of real-world evidence in network meta-analysis. Department of Primary Education, School of Education, University of Ioannina.
- Christogiannis, Ch. (2020 - ). Using multiple imputation and variable selection methods in meta-regression with aggregate and/or individual patient data. Department of Primary Education, School of Education, University of Ioannina.

## **GRANTS AND ACTIVITIES**

### **Projects as a consortium participant (UOI partner coordinator):**

- Comparing effectiveness of self-management interventions in 4 high priority chronic diseases in Europe (COMPAR-EU), 2018 – 2022. This is a Horizon 2020 grant (The EU Framework Programme for Research and Innovation). The work package we are involved is focused on comparing the effectiveness of existing self-management interventions using network meta-analysis. <https://self-management.eu/>
- Optimising pharmacotherapy in the multimorbid elderly (OPERAM), 2015 - 2020. This is a Horizon 2020 grant (The EU Framework Programme for Research and Innovation). The work package we are involved is focused on comparing the effectiveness of existing healthcare interventions in the elderly using network meta-analysis. <http://operam-2020.eu/index.php?id=1488>

### **Projects as a research fellow:**

- Real-life data in drug development (GetReal). Funded from IMI (Innovative Medicine Initiatives). The work package we are involved is focused on

developing best practice methods that translate trial data into reliable estimates of treatment effect. <http://www.imi-getreal.eu/>

- Integrating the multiple meta-analysis (IMMA). Funded from ERC (European Research Council). <http://mtm.uoi.gr/>

#### **Projects as a coordinator:**

- Extension of Network Meta-Analysis for the comparison of diagnostic tests, 2020 – 2021. Co-financed by Greece and the European Union (European Social Fund-ESF) through the Operational Programme «Human Resources Development, Education and Lifelong Learning 2014-2020»
- Organizing seminars on network meta-analysis and providing statistical expertise for Mapi B.V.
- Organizing seminars on network meta-analysis and providing statistical expertise for iMTA B.V.
- Organizing seminars on medical statistics
  - 1) Medical statistics (2013). University of Ioannina
  - 2) Systematic reviews and meta-analysis (2014), University of Ioannina

#### **MEMBERSHIP TO EDITORIAL BOARDS**

- Evidence-Based Mental Health (<http://ebmh.bmj.com/>) (since 2015)
- Research Synthesis Methods (<https://onlinelibrary.wiley.com/journal/17592887>) (since 2018)
- Co-Editor and statistical advisor, Cochrane Review Group ‘Developmental, Psychosocial and Learning Problems Group’ (since 2011) publishing in the Cochrane Library <http://dplpg.cochrane.org/en/index.html>.
- Co-Editor and statistical advisor, Cochrane Review Group ‘Sexually Transmitted Infections Group’ (since 2012)

#### **SCIENTIFIC COMMITTEES**

- [Cochrane Statistics Methods Group](#) (since 2011)
- [Cochrane Comparing Multiple Interventions Methods Group](#) (since 2011)
- Thomas C Chalmer Award committee (member 2016) The Chalmers award has been awarded at each Cochrane Colloquium since 1994 for the best oral or poster presentation. The committee oversees all aspects of the administration and governance of the Collaboration's awards and prizes.

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