

# Georgios Seitidis, PhD

Postdoc Researcher - Biostatistician  
Adjunct Lecturer

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👤 Georgios Seitidis  
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Nationality: Greek  
DOB 17 Dec 1991

## Expertise

Statistics (classical & Bayesian), Statistical programming, Statistical consulting/education, Evidence synthesis

## Professional Experience

Mar 2023 – Present **Postdoctoral Researcher**, Department of Psychology, School of Social Sciences, University of Ioannina, Ioannina, Greece

- Project: *Comprehensive Network Meta-Analysis to Augment Therapeutic Strategy Development for Amyotrophic Lateral Sclerosis (ALS)* (Funded by Stichting ALS Nederland).
- Developed IPD-NMA models for longitudinal and survival data using trial-level and patient-level data.
- Implemented reproducible pipelines (R, JAGS, R Markdown) for data synthesis, ensuring regulatory traceability and version control.
- Supervised by Dr. Stavros Nikolopoulos.

May 2019 – Present **Research Associate**, Evidence Synthesis Methods Team, School of Education, University of Ioannina

- Participated in EU-funded projects (**COMPAR-EU**, **COH-FIT**, **extendNMA**, **IMMA**) focusing on comparative effectiveness and methodological innovation in evidence synthesis.
- Led methodological development for integrating non-randomized and single-arm evidence into NMA frameworks.
- Designed and validated visualization software for network meta-analysis of multicomponent interventions.
- Developed methodology for assessing network consistency in networks that included RCTs and observational studies
- Contributed to the creation of R-packages (**ssifs**, **viscomp**) supporting transparent and automated synthesis workflows.
- PI Prof. Dimitris Mavridis.

Feb 2026 – Present **Adjunct Lecturer**, Department of Mathematics, School of Sciences, University of Ioannina

Feb 2023 – Sep 2025 **Adjunct Lecturer**, Department of Early Childhood Education, School of Education, University of Ioannina

Sep 2024 – Feb 2025 **Research Associate**, Department of Research and Clinical Development, Scientific Directorate, Fondazione IRCCS Istituto Neurologico Carlo Besta, Milan, Italy

- Project: *Cryptogenic Ischemic Stroke Therapy (CRIPDAN)*.
- Conducted individual patient data network meta-analysis to identify optimal treatment pathways.
- Integrated multi-source datasets using Bayesian modeling to inform trial design and clinical recommendations.

Sep 2021 – **Statistical Collaborator**, *Research Center of Epidemiology & Statistics (CRESS-UMR1153)*, Inserm, Université de Paris, Paris, France

- Contributed to the **COVID-NMA project**, a WHO-affiliated initiative providing living meta-analyses of COVID-19 interventions.

Jan 2022 **Research Statistician**, *National Deaf Association*, Athens, Greece

May 2019 ○ Conducted demographic modeling and sampling strategy design to estimate the deaf population in Greece.

## Teaching Experience

2025 – **Adjunct Lecturer**, *Department of Mathematics, School of Sciences, University of Ioannina*, Ioannina, Greece

Courses:

- Special topics in Statistics
- Bayesian statistics

Feb 2024 – **Adjunct Lecturer**, *Department of Early Childhood Education, School of Education, University of Ioannina*, Ioannina, Greece

Sep 2025 **University of Ioannina**, Ioannina, Greece

Feb 2023 – Teaching courses:

Sep 2024 ○ Applied Statistics in Education

- Special topics in practical training: Evaluation of behavior and performance of children in activities of the natural sciences.

Oct 2024 – **Teaching Assistant (Tutor)**, *Department of Psychology, School of Social Sciences*, University of Ioannina, Ioannina, Greece

- Provided supplementary teaching (tutorial sessions) for the course Statistics II

Nov 2023 – **Teaching Assistant (Tutor)**, *Department of Psychology, School of Social Sciences*, University of Ioannina, Ioannina, Greece

- Provided supplementary teaching (tutorial sessions) for the course Statistics II

2019 – **Teaching Assistant**, Coursity, Hellenic Open University

Present Courses:

- An introduction to statistical data analysis (SPSS)
- Meta-analysis Models using R.

## Editorial & Scientific Roles

2024 – **Statistical Advisor - Associate Editor**, *Progress in Orthodontics* (SpringerOpen).

Present Reviewer for Journal of the Royal Statistical Society: Series A, Research Synthesis Methods, European Respiratory Journal, BMC Medical Research Methodology, PLOS ONE, Journal of Alzheimer's Disease, Frontiers in Neurology, Pilot and Feasibility Studies.

## Education

2023 **PhD in Biostatistics**, *Department of Primary Education, School of Education, University of Ioannina*, Ioannina, Greece

- Thesis: Using variable selection methods in Network Meta-Analysis
- Supervisor: Prof. Dimitris Mavridis

2017 **MSc in Statistics**, *Department of Statistics, University of Business and Economics, Athens, Greece*

- Thesis: Investigation of the methodology for determining the specific parameters storage of insurance companies under SOLVENCY II
- Supervisor: Dr. Alexandros Zimpidis

2015 **BSc in Mathematics**, *Department of Mathematics, University of Ioannina*, Ioannina, Greece

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## Membership in Research Projects

Mar 2023 - Present **Comprehensive network meta-analysis to augment therapeutic strategy development for Amyotrophic Lateral Sclerosis (EVIDENCE).**

- Host institute: University of Ioannina
- PI: Dr. Stavros Nikolakopoulos
- Funded by the Stichting ALS Nederland organization

Sep 2019 - Present **Extending Network Meta Analysis to include Non-Randomized Evidence and Single-Arm Trials (extendNMA)**

- Host institute: University of Ioannina
- PI: Prof. Dimitris Mavridis
- Funded by the framework of H.F.R.I (H.F.R.I. Project Number: 015467)

Jan 2021 - Present **Collaborative Outcomes study on Health and Functioning during Infection Times, (COH-FIT)**

- Host institute: Charité University Medicine
- PI: Prof. Christoph U. Correll

Sep 2024 - Feb 2025 **Cryptogenic ischemic stroke therapy: tailoring the approach through individual patient data and network meta-analysis (CRIPDAN)**

- Host institute: Fondazione IRCCS Istituto Neurologico Carlo Besta
- PI: Dr. Irene Tramacere
- Funded by the Italian Ministry of Health (Grant Number: RC 2018 - J49C19000050001)

Jan 2023 - Feb 2023 **Integrating the Multiple Meta-Analysis: a framework for evaluating and ranking multiple health care technologies (IMMA)**

- Host institute: University of Ioannina
- PI: Prof. Dimitris Mavridis
- Funded by ERC - European Research Council

Sep 2021 - Jan 2022 **COVID-19 open living evidence synthesis to inform decision (COVID-NMA)**

- Host institute: Université de Paris
- PI: Dr. Isabelle Boutron
- Funded by University of Ioannina (Erasmus+ placement)

May 2019 - Dec 2022 **Comparing effectiveness of self-management interventions in 4 high priority chronic diseases in Europe (COMPAREU)**

- Develop statistical models to disentangle the effect of components of self-management interventions (SMIs) as complex interventions.
- Host institute: University of Ioannina
- PI: Prof. Dimitris Mavridis
- Funded by the European Union's Horizon 2020 Research and Innovation Programme (Grant/Award Number: 754936)

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## Selected Publications

For full list see: Google Scholar

- **Seitidis, G.**, Nikolakopoulos, S., Ntzoufras, I., & Mavridis, D. (2023). Inconsistency identification in network meta-analysis via stochastic search variable selection. *Statistics in Medicine*, 42(26).
- **Seitidis, G.**, Tsokani, S., Christogiannis, ... & Mavridis, D. (2023). Graphical tools for visualizing the results of network meta-analysis of multicomponent interventions. *Research Synthesis Methods*, 14(3), 382-395.
- Solmi, M., **Seitidis, G.**, Mavridis, D., Correll, C. U., Dragioti, E., Guimond, S., ... & Cortese, S. (2023). Incidence, prevalence, and global burden of schizophrenia-data, with critical appraisal, from the Global Burden of Disease (GBD) 2019. *Molecular psychiatry*, 28(12), 5319-5327.

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## Selected Conferences Presentation

- **Seitidis G.**, Tsokani S., Individual Participant Data (IPD) meta-analysis: an overview. Cochrane Methods, Methods Support Unit web clinics, November 2025 (invited)  
<https://www.cochrane.org/events/ipd-meta-analysis-overview>
- **Seitidis G.**, Nikolakopoulos, S., Ntzoufras, I., Mavridis, D., Stochastic search variable selection in network meta-analysis: A novel approach for detecting inconsistencies. *45th Annual Conference of the International Society for Clinical Biostatistics*, Thessaloniki, Greece, July 2024
- **Seitidis, G.**, Nikolakopoulos, S., Ntzoufras, I., Mavridis, D., Inconsistency identification in network meta-analysis via stochastic search variable selection, *Cochrane Colloquium*, London, United Kingdom, September 2023
- **Seitidis, G.**, Tsokani, S., Christogiannis, C., Kontouli, K., Fyraridis, A., Nikolakopoulos, S., Veroniki, A., & Mavridis, D., Graphical tools for visualizing the results of network meta-analysis of multicomponent interventions, *Evidence Synthesis and Meta-Analysis in R conference*, ESMARConf, Online, March 2023

## Software Development

- 2023 **ssifs: Stochastic Search Inconsistency Factor Selection.** R package (CRAN).  
<https://CRAN.R-project.org/package=ssifs>
- 2023 **viscomp: Visualize Multi-Component Interventions in Network Meta-Analysis.** R package (CRAN).  
<https://CRAN.R-project.org/package=viscomp>

## Technical Skills

- Statistical Software R (advanced, 2 CRAN packages), JAGS, STATA, SPSS, RevMan, JASP, Origin.
- Databases Experience with MySQL; limited exposure to STAN, EViews.
- Other Tools MS Office, L<sup>A</sup>T<sub>E</sub>X

## Languages

- Greek Native
- English Fluent (professional)
- German Intermediate