

# CURRICULUM VITAE

Ioannis Skevas

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## Contact Information

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## Personal Information

Born: Alexandroupolis, Greece, 28 April 1987  
Nationality: Hellenic

## Current Position

Assistant Professor, University of Macedonia, Greece, 2021 - present

## Previous Academic Positions

2018-2021: Assistant Professor, University College Cork, Ireland

## Education

Ph.D. **Georg-August-Universität Göttingen**, Germany, 2017  
Chair for Statistics - RTG 1644 "Scaling Problems in Statistics"  
& Department of Agricultural Economics and Rural Development  
*Thesis Title:* "A Bayesian approach to dynamic efficiency and productivity measurement"

M.Sc.: **Wageningen University**, Netherlands, 2013  
Environmental Economics and Natural Resources Group

*Thesis Title:* "Direction of efficiency and the impact of policy instruments on farmer's performance: The case of Dutch dairy farms"

B.Sc. & M.Sc.: **Aristotle University of Thessaloniki**, Greece, 2011

Department of Agricultural Economics

*Thesis Title:* "The role of agriculture in the economic development of Greece"

## Specialties & Research Interests

- Statistics & Applied Econometrics
- Applied Microeconomics
- Production Economics, Efficiency & Productivity Measurement
- Agricultural & Environmental Economics

## Publications

1. **I. Skevas**, 2023. Functional form specification in random coefficients stochastic frontier models. *Journal of Productivity Analysis*. doi:[10.1007/s11123-023-00700-4](https://doi.org/10.1007/s11123-023-00700-4)
2. **I. Skevas**, 2023. A novel modeling framework for quantifying spatial spillovers on total factor productivity growth and its components. *American Journal of Agricultural Economics*, 105(4), 1221-1247. doi:[10.1111/ajae.12360](https://doi.org/10.1111/ajae.12360)
3. **I. Skevas.**, A. Oude Lansink., and T. Skevas, 2023. Analysing inefficiency in a non-parametric spatial-dynamic by-production framework: a k-nearest neighbour proposal. *Journal of Agricultural Economics*, 74(2), 591-607. doi:[10.1111/1477-9552.12522](https://doi.org/10.1111/1477-9552.12522)
4. T. Skevas., **I. Skevas.**, and N. Kalaitzandonakes, 2022. The role of peer effects on farmers' decision to adopt unmanned aerial vehicles: evidence from Missouri. *Applied Economics*, 54(12), 1366–1376. doi:[10.1080/00036846.2021.1976384](https://doi.org/10.1080/00036846.2021.1976384)

5. **I. Skevas.**, and T. Skevas, 2021. A Generalized True Random-Effects Model with Spatially Autocorrelated Persistent and Transient Inefficiency. *European Journal of Operational Research*, 293(3), 1131-1142. doi:[10.1016/j.ejor.2021.01.004](https://doi.org/10.1016/j.ejor.2021.01.004)
6. T. Skevas., **I. Skevas.**, and V. E. Cabrera, 2021. Farm profitability as a driver of spatial spillovers: the case of somatic cell counts on Wisconsin dairies. *Agricultural and Resource Economics Review*, 50(1), 187-200. doi:[10.1017/age.2020.22](https://doi.org/10.1017/age.2020.22)
7. C.L. Beber., S. Lakner., and **I. Skevas**, 2021. Organizational forms and technical efficiency of the dairy processing industry in Southern Brazil. *Agricultural and Food Economics*, 9(1), 1-22. doi:[10.1186/s40100-021-00195-3](https://doi.org/10.1186/s40100-021-00195-3)
8. T. Skevas., **I. Skevas.**, and V.E. Cabrera, 2021. Examining the relationship between social inefficiency and financial performance. Evidence from Wisconsin dairy farms. *Sustainability*, 13(7), 3635. doi:[10.3390/su13073635](https://doi.org/10.3390/su13073635)
9. K. Schneider., **I. Skevas.**, and A. Oude Lansink, 2021. Spatial spillovers on input-specific inefficiency of Dutch Arable Farms. *Journal of Agricultural Economics*, 72(1): 224-243. doi:[10.1111/1477-9552.12400](https://doi.org/10.1111/1477-9552.12400).
10. **I. Skevas**, 2020. Inference in the spatial autoregressive efficiency model with an application to Dutch dairy farms. *European Journal of Operational Research*, 283(1): 356-364. doi:[10.1016/j.ejor.2019.10.033](https://doi.org/10.1016/j.ejor.2019.10.033)
11. **I. Skevas**, 2020. Measurement of production inefficiency in a technology and inefficiency heterogeneity setting. *Applied Economics*, 52(42): 4594-4604. doi:[10.1080/00036846.2020.1738327](https://doi.org/10.1080/00036846.2020.1738327).
12. **I. Skevas.**, and A. Oude Lansink, 2020. Dynamic inefficiency and spatial spillovers in Dutch dairy farming. *Journal of Agricultural Economics*, 71(3): 742-759. doi:[10.1111/1477-9552.12369](https://doi.org/10.1111/1477-9552.12369).
13. **I. Skevas**, 2019. A hierarchical stochastic frontier model for efficiency measurement under technology heterogeneity. *Journal of Quantitative Economics*, 17(1): 513-524. doi:[10.1007/s40953-018-0144-5](https://doi.org/10.1007/s40953-018-0144-5).

14. **I. Skevas.**, X. Zhu., V. Shestalova., and G. Emvalomatis, 2018. The impact of agri-environmental policies and production intensification on the environmental performance of Dutch dairy farms. *Journal of Agricultural and Resource Economics*, 43(2): 423-440. doi:[10.22004/ag.econ.276503](https://doi.org/10.22004/ag.econ.276503).
15. **I. Skevas.**, G. Emvalomatis., and B. Brümmer, 2018. Productivity growth measurement and decomposition under a dynamic inefficiency specification: the case of German dairy farms. *European Journal of Operational Research*, 271(1): 250-261. doi:[10.1016/j.ejor.2018.04.050](https://doi.org/10.1016/j.ejor.2018.04.050).
16. **I. Skevas.**, G. Emvalomatis., and B. Brümmer, 2018. Heterogeneity of long-run technical efficiency of German dairy farms: a Bayesian approach. *Journal of Agricultural Economics*, 69(1): 58-75. doi:[10.1111/1477-9552.12231](https://doi.org/10.1111/1477-9552.12231).
17. **I. Skevas.**, G. Emvalomatis., and B. Brümmer, 2018. The effect of farm characteristics on the persistence of technical inefficiency: a case study in German dairy farming. *European Review of Agricultural Economics*, 45(1): 3-25. doi:[10.1093/erae/jbx019](https://doi.org/10.1093/erae/jbx019).
18. T. Skevas., **I. Skevas.**, and S. Swinton, 2018. Does spatial dependence affect the intention to make land available for bioenergy crops? *Journal of Agricultural Economics*, 69(2): 393-412. doi:[10.1111/1477-9552.12233](https://doi.org/10.1111/1477-9552.12233).
19. T. Skevas., E. Kikulwe., H. Papadopoulou., **I. Skevas.**, and J. Wesseler, 2013. Do European union farmers reject genetically modified maize? Farmer preferences for genetically modified maize in Greece. *AgBioForum*, 15(3): 242-256. doi:[10355/35119](https://doi.org/10.3555/35119).

## E-books

1. **I. Skevas**, 2017. A Bayesian approach to dynamic efficiency and productivity measurement. eDISS - Georg-August-Universität Göttingen. url:[https://ediss.uni-goettingen.de/bitstream/handle/11858/00-1735-0000-002B-7D4E-D/PhD\\_dissertation.pdf?sequence=1](https://ediss.uni-goettingen.de/bitstream/handle/11858/00-1735-0000-002B-7D4E-D/PhD_dissertation.pdf?sequence=1)

## Publications in Conference Proceedings

1. **I. Skevas**, X. Zhu., V. Shestalova., and G. Emvalomatis, 2014. An examination of the impact of agri-environmental policies and intensification on the hyperbolic efficiency of Dutch dairy farms. 14<sup>th</sup> Congress of the European Association of Agricultural Economists. url:[http://ageconsearch.umn.edu/record/182934/files/poster\\_paper.pdf](http://ageconsearch.umn.edu/record/182934/files/poster_paper.pdf)

## Work in Progress

1. **I. Skevas**. Accounting for technology heterogeneity in the measurement of persistent and transient inefficiency. (In **Economic Modelling**, 2<sup>nd</sup> round review).
2. **I. Skevas**. A flexible by-production stochastic frontier model for technical and environmental inefficiency measurement with an application to agriculture. (In **European Journal of Operational Research**, under review).
3. **I. Skevas**. Bayesian analysis of stochastic metafrontiers (draft).

## Invited Talks

- **I. Skevas** (2020). Publishing for early career researchers. Invited talk at the Cork University Business School (CUBS) Postgraduate Research Symposium, Cork, Ireland, July 30, 2020.

## Presentations at Professional Meetings

(Presenting author underlined)

- **I. Skevas**. A copula-based by-production stochastic frontier model for technical and environmental inefficiency measurement. Paper presentation at the 8<sup>th</sup> International Conference on Applied Theory, Macro and Empirical Finance (AMEF), 2024, Thessaloniki, Greece.
- **T. Skevas**, **I. Skevas**, and V. Cabrera. Farm profitability as a driver of spatial spillovers: Evidence from a spatial analysis of somatic cell count on Wisconsin dairy farms. Paper presentation at the XVI Congress of the European Association of Agricultural Economists (EAAE), 2021, Online.

- **I. Skevas**. Drawing inference in the context of spatial Stochastic Frontier Analysis. Paper presentation at the 16<sup>th</sup> European Workshop on Efficiency and Productivity Analysis (EWEPA), 2019, London, United Kingdom.
- **K. Schneider**., **I. Skevas**., and A. Oude Lansink. Measuring the effects of spatial spill-overs on farm-level inefficiency: a semi-parametric approach. Paper presentation at the 16<sup>th</sup> European Workshop on Efficiency and Productivity Analysis (EWEPA), 2019, London, United Kingdom.
- **C. L. Beber**., **I. Skevas**., S. Lakner., and L. Theuvsen. Determinants of technical efficiency of dairy processing firms in Southern Brazil. Paper presentation at the Tropentag Annual Conference, 2017, Bonn, Germany.
- **I. Skevas**., G. Emvalomatis., and B. Brümmer. Explaining variation in German dairy farms' persistence of technical inefficiency: a Bayesian approach. Paper presentation at the EAAE 2017 triennial International Congress, 2017, Parma, Italy.
- **C. L. Beber**., **I. Skevas**., S. Lakner., and L. Theuvsen. Determinants of technical efficiency of dairy processing firms in Southern Brazil. Poster presentation at the EAAE 2017 triennial International Congress, 2017, Parma, Italy.
- **I. Skevas**., G. Emvalomatis., and B. Brümmer. Productivity growth in German dairy farming using a dynamic inefficiency specification: A Bayesian approach. Paper presentation at the 15<sup>th</sup> European Workshop on Efficiency and Productivity Analysis (EWEPA), 2017, London, United Kingdom.
- **I. Skevas**., G. Emvalomatis., and B. Brümmer. Dynamic inefficiency and productivity growth in German dairy farming. Paper presentation at the Agricultural Economics Society's 91<sup>st</sup> Annual Conference, 2017, Dublin, Ireland.
- **I. Skevas**., G. Emvalomatis., and B. Brümmer. Dynamic efficiency analysis under a Bayesian framework. Paper presentation at the 146<sup>th</sup> EAAE seminar: Technology transfer as a driver of innovative entrepreneurship in agriculture and the agri-food industry, 2015, Chania, Greece.
- **I. Skevas**., G. Emvalomatis., and B. Brümmer. Heterogeneity of inefficiency persistence under a Bayesian framework. Paper presentation at the 14<sup>th</sup> European

Workshop on Efficiency and Productivity Analysis, 2015, Helsinki, Finland.

- **I. Skevas**, X. Zhu., V. Shestalova., and G. Emvalomatis. An examination of the impact of agri-environmental policies and intensification on the hyperbolic efficiency of Dutch dairy farms. Poster presentation at the EAAE 2014 triennial International Congress, 2014, Ljubljana, Slovenia.

## Teaching Qualifications

- Postgraduate Certificate in Teaching & Learning in Higher Education, University College Cork, 2021

## Teaching Experience

### *University of Macedonia - 2021-present*

- Introduction to Microeconomics (B.Sc. course)
- Mathematics II (B.Sc. course)
- Microeconomic Theory (B.Sc. course - on campus & online)
- Econometrics II (B.Sc. course)
- Advanced Econometrics (B.Sc. course)
- Organization and Operation of the E.U. (M.Sc. course)
- Labor Market and Immigration in the E.U. (M.Sc. course)

### *International Hellenic University - 2024-present*

- Quantitative Methods & Decision Analysis (E.M.B.A course)

### *University College Cork - 2018-2021*

- Quantitative Research Methods (Ph.D. course - online)
- Introduction to Development Economics (B.Sc. course - online)
- Introduction to Agri Business Management (B.Sc. course - online)

- Introduction to International Food Policy (B.Sc. course - on campus & online)
- International Food Policy (B.Sc. course - on campus & online)
- International Food Business (B.Sc. course)

### ***Wageningen University - 2018***

- An Introduction to Applied Bayesian Econometrics (Ph.D. masterclass)

### ***Georg-August-Universität Göttingen - 2017-2018***

- Data Analysis with R for Agricultural Economics (M.Sc. course)
- Efficiency and Productivity Analysis - Stochastic Approaches (Ph.D. short course)

### ***University of Dundee - 2015-2016***

- Microeconomics (B.Sc. course)
- Applied Business Statistics (B.Sc. course)

## **Supervision**

### ***PhD Students***

- Lungelo Cele. Dairy Industry Competitiveness: An International Statistical and Econometric Approach. In Progress, University College Cork.

### ***BSc Students***

- Georgios Panagiotou, University of Macedonia.
- Georgios Chatziprimos, University of Macedonia.
- Vasileios Myrliadis, University of Macedonia.
- Alexis Ahern, University College Cork.
- Rachel Millerick, University College Cork.



## External Funds Acquisition

- WASS VISITING RESEARCHER GRANT. The proposal was prepared in cooperation with Alfons Oude Lansink and submitted to the Wageningen School of Social Science (WASS) of Wageningen University. The project started in January 2018. Project title: 'Modelling spatial dependence in productivity analysis'
- DFG START-UP FUND. The proposal was prepared with Bernhard Brümmer for the part of Georg-August-Universität Göttingen. This project was funded by the German Research Foundation (DFG) to facilitate the advance of the most promising RTG 1644 graduates to a scientific career. The project started in May 2017 and involved a 6-month proposal writing period for an intended project entitled "Modelling spatial effects in efficiency and productivity analysis".

## Administrative Roles

- Member of OMEA of the department of International and European Studies of the University of Macedonia, 2023-present.
- Information officer of the undergraduate study program of the department of International and European Studies of the University of Macedonia, 2022-present.
- Member of the Cork University Business School (CUBS) Postgraduate Research Committee, 2020-2021.

## Awards

- Early Career Researcher of the Year Award by College of Business and Law, University College Cork, 2020
- Research Excellence Award by University College Cork, 2019
- Top Downloaded Article 2017-2018, Journal of Agricultural Economics, Wiley

## Professional Associations

- European Association of Agricultural Economists (EAAE)
- Agricultural Economics Society (AES)

## Journal Reviewer

- European Journal of Operational Research
- Empirical Economics
- Economic Modelling
- Journal of Computational and Applied Mathematics
- Studies in Nonlinear Dynamics and Econometrics
- Journal of Productivity Analysis
- American Journal of Agricultural Economics
- European Review of Agricultural Economics
- Journal of Agricultural Economics
- Journal of Agricultural and Resource Economics
- Agricultural Economics
- Agribusiness
- Agronomy Research
- Australian Journal of Management

See Web of Science profile for verified reviews: <https://www.webofscience.com/wos/author/record/1946557>

## References

1. Alfons Oude Lansink, Professor, Business Economics, Wageningen University, Hollandseweg 1, 6706KN, Wageningen, the Netherlands, email: [alfons.oudelansink@wur.nl](mailto:alfons.oudelansink@wur.nl)
2. Bernhard Brümmer, Professor, Department of Agricultural Economics and Rural Development, Georg-August-Universität Göttingen, Platz der Göttinger Sieben 5, D-37073, Göttingen, Germany, e-mail: [bbruemm@gwdg.de](mailto:bbruemm@gwdg.de)
3. Grigorios Emvalomatis, Associate Professor, Department of Economics, University of Crete, Gallos, 74100, Rethymno, Greece, e-mail: [g.emvalomatis@ouc.gr](mailto:g.emvalomatis@ouc.gr)

4. Thomas Kneib, Professor, Chair of Statistics and Econometrics, Georg-August-Universität Göttingen, Humboldtallee 3, D-37073, Göttingen, Germany, email: tkneib@uni-goettingen.de