



Ioulia Televantou
Lecturer in Research Methodology & Statistics

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Profile:

I am a researcher in quantitative social science, with a special interest in the application of advance quantitative techniques in large-scale, empirical driven research, seeking to assess peer effects and contextual influences on cognitive and affective domains in childhood and adolescence. I earned a 1st class honours in Pure Mathematics (University of Cyprus). I then went to Oxford where I completed an MSc in Applied Statistics – a degree with a focus on applications of Statistics using R programming language – and a second MSc in Educational Research Methodology. During my doctorate studies (Oxford University Department of Education, 2009-2014), I worked under the supervision of Herbert W. Marsh (Professor at Australian Catholic University, Emeritus Professor at Australian Catholic University and founder of the International SELF Research Centre). My research has so far received several awards and grants, among others, the 2015 Bruce Choppin Memorial award and the 2017 AERA travel award grant. In addition, it has been published in major scientific journals (SESI, Journal of Educational Psychology, Learning & Instruction) and it has attracted funding from major funding bodies (e.g. the Economic Social Research Council, UK and the Research Promotion Foundation, Cyprus). As well as doing research, I very much enjoy teaching Research Methodology and Quantitative Methods courses to both undergraduate and postgraduate students in Education, Psychology, and allied fields. I have extensive experience in teaching Distance Learning - as well as conventional courses.

1. Education				
Degree	Year	Institution	Department	Final Project
DPhil in Education	2014	Oxford University	Department of Educational Studies (OUDES)	“Addressing an Old Issue from a New Methodological Perspective: A Proposition on How to Deal with Bias due to Multilevel Measurement Error in the Estimation of the Effects of School Composition”
M.Sc. in Educational Research Methodology (ERM)	2009	Oxford University	Department of Educational Studies (OUDES)	“Solving Bias in Value-Added Models: A Simulation Study on the Matthew effect”

M.Sc. in Applied Statistics	2008	Oxford University	Department of Statistics	“Power Calculations for National Study of Environmental Radiation and Childhood Leukaemia”
Ptychion in Mathematics	2007	University of Cyprus	Department of Mathematics and Statistics	N.A.

2. Qualifications / Skills

	Description	Level
Languages	Greek	Mother tongue
	English	Excellent
Computer	MS Office (Word, Power Point, Excel, Publisher, Outlook)	Excellent
	Statistical Analysis: SPSS, Mplus, R	Excellent
	Teaching Tools: Moodle, Blackboard	Excellent

3. Employment

Duration of Employment		Employer	Organisation/Sector	Position
From	Until			
2020	present	Theology School, Church of Cyprus	Academic staff	Lecturer in Research Methodology and Statistics
2019	2021	University of Nicosia	School of Medicine	Research Associate
2019	present	Instytut Wymiaru Sprawiedliwości, Poland	Institute of Justice	Research Associate
2018	2019	European University, Cyprus	School of Humanities, Social and Educational Sciences	Adjunct Staff
2018	2019	University of Cyprus	Department of Business and Public Administration	Post-doctoral researcher
2015	2017	University of Cyprus	Department of Education	Post-doctoral researcher
2014	present	University of Cyprus	Department of Education	Special Scientist for Teaching

2014	2017	Open University of Cyprus	Master's in educational leadership	Adjunct Staff
2013	2015	University of Cyprus	Department of Education	Researcher

4. Scholarships and Awards

2017	AERA International Travel Award as a promising emerging scholar with submission in the 2017 American Educational Research Association conference
2015	"Bruce Choppin Award" at the doctoral level (International Association for the Evaluation of Educational Achievement; IEA)
2011	Departmental Scholarship from the Oxford University Department of Education given to doctorate students that showed academic excellence
2008	An ESRC 1+3 CASE Studentship: New Value-Added Models in Education: Using Latent-variable Multilevel Models to Solve Longstanding Biases in League Tables
2008	A three- year scholarship by "Leventis Foundation" Cyprus.
2007	"University of Cyprus Graduates Award 2007", since the mark that I obtained (9.4/10) was the highest in the Department of Mathematics, the highest in the faculty of Science and the second best from the 2007 University of Cyprus graduates
2005	"Rose and Irving Saff award" as the best second year student of the Department of Mathematics and Statistics of the University of Cyprus, with the highest weighted average at the courses of the department during academic year 2004-2005

5. Teaching

2020 - current	BA in Theology	THEO.230 Research Methodology
	MA Application of Psychology and Counseling in the Community	APC 512 Research Methodology and Ethics APC 518 Statistics
2019	Special Scientist for teaching, University of Cyprus, Department of Business and Public Administration.	Quantitative Methods in Management II (3rd year undergraduate students)
2018 - 2019	Part time lecturer, European University	"Statistics in Psychological Science II" & "Research Methods in Psychology" and "Psychological Measurement"

2018 - present	Part time lecturer, University of Nicosia	“Research Methods and Statistics in Sports Science”
2016 - 2017	Special Scientist, University of Cyprus Department of Education	“Educational Statistics with Applied Statistical Packages”, “Educational Research Methodology”
2014- 2015	Part time lecturer, Open University of Cyprus	“Research Methods for Police Officers”
2014 - present	Lecturer Associate at the University of Nicosia Distance Learning Unit, Department of Education	“Seminar III: Analysis of Quantitative Data”, “Educational Research: An Introduction to Qualitative and Quantitative Research Methods”

6. Administrative Duties

2019 – present	Research Assistant for the project “The effect of pharmacology teaching on diverse learners in a problem-based learning medical curriculum” (EXCELLENCE/0918/0289), University of Nicosia Medical School
2011 – 2013	Coordinator of Junior Researchers of the EARLI Special Interest Group 18 (“Educational Effectiveness”)

7. Member of Research Boards and Professional Services

2013 - present	European Association for Research in Learning and Instruction (SIG 17: Methods in Learning Research)
2017 - present	Cyprus Statistical Society

8. Member of Conference Organising Committees

2014	Coordinator of the “JURE SIG 18 pre-conference”, that preceded the “4 th meeting of the EARLI SIG Educational Effectiveness, 2014”. Conference website: https://www.ocs.soton.ac.uk/index.php/earli/index/pages/view/Jure%20SIG%20pre%20conference
2013	Organised a symposium on “Methodological-Substantive Synergies in Educational Effectiveness Research”, JURE 2014 conference, Cyprus. (see: http://www.earli-jure2014.org/)

9. Reviewer for Journals

2019 - present	Reviewer for the “Journal for Research and Method in Education”
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10. Research Interests

Peer Influence in Educational Settings	Part of my research seeks to estimate the peer influence on students' academic outcomes, using statistical methodology capable to adjust for measurement error bias, and, omitted variable bias.
Religious Freedom	I am working on a research project concerned with the extent that individual countries provide religious freedoms to their citizens, and the effect that this has on the religious crime incidence and, the subjective feeling of religious freedom of the citizens themselves.
Evaluation of Teaching Practices in Medical Education	Working with people from the University of Nicosia Medical Education Programme, we are trying to evaluate the impact that teaching in a Problem Based Learning Environment, has on the students' academic outcomes, and the development of their learning style and learning approach.

11. Publications

- Televantou, I., Moulin-Stozek, M., Avraam, D. (2019). *Perceived religious discrimination across Europe: Evidence from the European Social Survey*. Manuscript under preparation.
- Televantou, I., Marsh, H.W., Xu, K. M, Guo, J. & Nicolaides, C. (2019). *Correcting for Measurement Error Bias in Modelling Peer Effects in Public and Private Schools: An Application of Multilevel Latent Variable Models*. Manuscript under preparation.
- Televantou, I., Marsh, H.W., Dicke, T. & Nicolaides, C. (2019). *Big-Fish-Little-Pond-Effects and the Peer-Spill-over-effect: Further Evidence from English Early Primary School Data*. Manuscript under review.
- Dicke, T., Marsh, H. W., Parker, P. D., Pekrun, R., Guo, J., & Televantou, I. (2018). Effects of School-Average Achievement on Individual Self-concept and Achievement: Unmasking Phantom Effects Masquerading as True Compositional Effects. *Journal of Educational Psychology*. 110(8), 1112-1126.
- Caro, D.H., Kyriakides, L. & Televantou, I. (2017). Addressing omitted prior achievement bias in international assessments: an applied example using PIRLS-NPD matched data, *Assessment in Education: Principles, Policy & Practice*, 1-23, doi:10.1080/0969594X.2017.1353950
- Televantou, I., Marsh, H.W., Kyriakides, L., Nagengast, B., Fletcher, J., & Malmberg, L.-E. (2015). Phantom effects in school composition research: Consequences of failure to control biases due to measurement error in traditional multilevel models. *School Effectiveness and School Improvement*, 26, 75-101. doi: 10.1080/09243453.2013.871302
- Marsh, H. W, Nagengast, B., Fletcher, J. & Televantou, I. (2011). Assessing educational effectiveness: policy implications from diverse areas of research. *Fiscal Studies*, 32, 279 – 295. doi: 10.1111/j.1475-5890.2011.00137.x

Chapters in books:

- Televantou, I., Marsh, H.W., Kyriakides, L., Nagengast, B., Fletcher, J., & Malmberg, L.-E. (2015). Phantom effects in school composition research: Consequences of failure to control biases due to measurement error in traditional multilevel models. In K. Maag Merki, M. Emmerich, M. Holmeier (Eds.), *Educational Effectiveness Theory: Further developments in a multilevel context* (pp. 75 -101). London: Roudlege.

Conference presentations (full written papers unless specified):

- Televantou, I. & Marsh, H.W. (2018, April) "Correcting for bias in school composition effect estimates: An application of the regression discontinuity approach. Paper session presented at the AERA 2018 conference, New York, New York.
- Televantou, I, Kyriakides, L., Creemers, B & Reynolds (2017, June) Investigating the impact of wider educational environment (system level factors) on students' mathematics achievement across European countries: Evidence from TIMSS 2015 data. Poster presentation at the 7th IEA Research Conference, Prague
- Televantou, I., Marsh, H.W. & Kyriakides, L. (2017, April) The Big Fish Little Pond Effect: Evidence from Early English Primary School Data. Paper session presented at the AERA 2017 conference, Saint Antonio, Texas
- Televantou, I., Marsh, H.W., Kyriakides, L., Nagengast, B., Fletcher, J. & Malmberg, L.E. (2014, August) Phantom Effects in School Composition and Self-Concept Research: Consequences of Failure to Control for Biases due to Measurement Error in Traditional Multilevel Models. Paper session presented at the Fourth Meeting of the EARLI SIG Educational Effectiveness, Southampton.
- Televantou, I., Marsh, H.W., Kyriakides, L., Nagengast, B. & Fletcher, J. (2013, August) Using Multilevel Structural Equation Models for the Investigation of Contextual Effects: An Application to English and Cypriot Primary School Data. Paper session presented at the Pre-Conference of the Junior Researchers of EARLI, Munich.
- Televantou, I., Marsh, H.W. & Kyriakides, L. (2013, April) Does attending élite schools really favour children? An application to English and Cypriot Year four data. Roundtable session presented at the Annual Meeting of the American Educational Research Association, San-Fransisco.
- Televantou, I., Marsh, H.W. & Nagengast, B. (2012, August) Integrating Multilevel Structural Equation Models with the Regression Discontinuity Designs: An Application to TIMSS-95. Paper session at the 3rd Meeting of the EARLI SIG 18 Educational Effectiveness, University of Zürich.
- Televantou, I., Marsh, H.W. & Nagengast, B. (2012, April) Contextual Value Added and the Big Fish Little Pond Effect in Primary Schools. Paper presented at the Annual Meeting of the American Educational Association, Vancouver.
- Televantou, I. (2011, August) Contextual Value Added Models of School Effects on Student Achievement: New Strategies to control for Measurement Error and Systematic Biases. Poster presented at the JURE 2011 (Junior Researchers of EARLI) pre-conference, Exeter.
- Televantou, I. (2011, June) Investigating the Big Fish Little Pond Effect with English Primary School Attainment data. Poster session presented at the 6th Self Biennial International Conference, Quebec.
- Televantou, I. (2011, January) Solving Bias in Value Added Models: A Simulation Study on the Matthew Effect. Paper presented at the 24th International Congress for School Effectiveness and Improvement (ICSEI), Limassol.