RESUME/CV

Miguel Angel Luque-Fernandez, MA, MPH, MSc, GStat (UK), PhD,

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Associate Professor of Biostatistics
Department of Statistics and Operations Research
University of Granada,
Granada, Spain

Honorary Professor of Biostatistics and Epidemiology
Faculty of Epidemiology and Population Health,
Department of Medical Statistics
Department of Non-Communicable Disease Epidemiology,
London School of Hygiene and Tropical Medicine

Scientist Collaborator
Harvard TH Chan School of Public Health,
Department of Epidemiology,
Boston, USA

Research Associate
University Libre de Bruxelles,
Department of Epidemiology and Biostatistics,
Brussels, Belgium

Scientist Collaborator
Spanish Biomedical Network,
Research Center in Epidemiology and Public Health,
ISCIII,
Madrid, Spain

1. Personal information

Surname(s):	Luque-Fernández
First name(s):	Miguel Ángel
Telephone:	0034 772884765
E-mail:	mluquefe@ugr.es
	miguel-angel.luque@lshtm.ac.uk
Nationality:	Spanish
Personal websites:	Harvard University: https://scholar.harvard.edu/malf/home
	London School of Hygiene and Tropical Medicine:
	https://www.lshtm.ac.uk/aboutus/people/luque.miguel-angel
	Academic Website: https://maluque.netlify.app/
	GitHub: https://github.com/migariane
	http://migariane.github.io/
	ORCID: https://orcid.org/0000-0001-6683-5164

2. Present and previous employers

06/93-10/95	**Lieutenant** in the Spanish Army, Department of Defense, Madrid, **Spain**
06/97-12/02	**Midwife**, several Andalusian Hospitals, Andalusia, **Spain**
01/03-09/04	**Field Humanitarian Relief Health Worker** (Anthropologist/obstetrics), Doctors without Borders (MSF). Field missions in Central African Republic (**CAR**) and Democratic Republic of Congo (**DRC**)
09/04-12/06	**Research Assistant,** Andalusian School of Public Health, Granada, Spain, and Field Humanitarian Relief Health Worker in **DRC**
01/07-11/09	**Epidemiologist,** Epidemic Intelligence Service (EIS), National Center of Epidemiology, National Institute of Health, Carlos III, Madrid, Spain (In 2009 detached to Epicentre-MSF, Brussels, Belgium. Field missions to **DRC**, **Chad** and, **Zimbabwe**
12/09-11/10	**Epidemiologist**, Observatory of Health and Social Inequalities of Brussels. Government of the city of Brussels, **Belgium**
12/10-01/11	**Field Epidemiologist**, GOARN (WHO/PAHO), Grande Ansee (Jerémie), **Haiti**
01/11-07/12	**Postdoctoral Research Fellow**, Department of Infectious Diseases Research and Epidemiology, University of Cape Town, **South Africa**
08/12-06/15	**Postdoctoral Research Fellow**, Department of Epidemiology, Harvard T.H. Chan School of Public Health, Boston (MA), the **US**
01/19-06/19	**Visitor Assistant Professor,** Department of Biostatistics, Berkeley School of Public Health, UC Berkeley. USA.
01/18-06/22	**Senior Scientific Researcher in Epidemiology and Biostatistics (Miguel Servet I investigation award).** Andalusian School of Public Health, Biomedical Research Institute of Granada, University of Granada. Granada, Spain

Current affiliations and active research positions:

08/14-	**Research Associate** Free University of Brussels (ULB), Belgium. Department of Biostatistics, Brussels.
06/15-	**Scientific collaborator**, Department of Epidemiology. Harvard School of Public Health. Boston. **US**
07/15-	**Honorary Associate Professor of Epidemiology and Biostatistics**, Faculty of Epidemiology and Population Health, Department of non-communicable disease epidemiology. London School of Hygiene and Tropical Medicine. London, **U.K.**
01/18-	**Senior Scientific Researcher in Epidemiology and Biostatistics.** Spanish Biomedical Network Research Center in Epidemiology and Public Health, ISCII, Madrid, Spain
06/22-	**Associate Professor of Statistics/Biostatistics and Operations Research**. Department of Statistics and Operations Research, University of Granada, Granada, Spain.

Current research project websites:
https://comcor.netlify.com/ Cancer Comorbidities
https://desocanes.netlify.com/ Social Inequalities on Cancer Incidence and Survival

3. <u>Language skills</u>

<u>Mother tongue</u>: Spanish
<u>Other languages</u>: English, French
Exams:
    French (2009 DELF)
    English: TOEFL 2013 (Score internet-based: 100)

4. <u>References:</u>

Professor of Cancer Epidemiology Bernard Rachet, MD, PhD
Reader in Epidemiology, Department of Epidemiology and Population Health
London School of Hygiene and Tropical Medicine, London, UK
Email: Bernard.rachet@lshtm.ac.uk
Professor Rachet is my mentor and line manager at the LSTHM. He is mentoring and supervising my most recent research activities and professional development.

Professor Michelle A. Williams, ScD
Stephen B. Kay Family Professor of Public Health
Dean of the Harvard School of Public Health
Former Chair, Department of Epidemiology
Department of Global Health and Population
Harvard School of Public Health, Boston, MA, US
Email: mawilliams@hpsh.harvard.edu
Professor Williams was my mentor during my post-Doctoral position at the Harvard TH Chan School of Public Health.

Dr. Michael Schomaker, PhD
Senior Researcher and Senior Statistician of the International Epidemiologic Databases to Evaluate AIDS (IeDEA), Southern Africa. Center for Infectious Disease Epidemiology and Research (CIDER) Faculty of Health Sciences, School of Public Health, The University of Cape Town, Cape Town, South Africa
Email: michael.schomaker@uct.ac.za
During my postdoctoral experience at UCT, I had the opportunity to collaborate on different projects with Dr. Schomaker, including an impact evaluation to assess the effectiveness of a new model of care to improve HIV patients' retention in care. We used marginal structural models under the causal inference and counterfactual framework and started an international collaboration with Professor Miguel Hernan at the Harvard School of Public Health.

5. <u>Awards, international visiting research fellowships and scientific distinctions</u>

2003	**Scholarship**: Doctors without Borders, Diploma in Tropical Medicine, National Institute of Health, Carlos III (ISCIII), Madrid, Spain.
2006	**Scholarship:** University of Granada & Andalusian Health Department Scholarship, MPH at the Andalusian School of Public Health, Granada, Spain.
2007	**Scholarship:** Field Epidemiology Training Program, National Center of Epidemiology, Institute of Health, Carlos III (ISCIII), Madrid, Spain.
2010	**Award:** Suma Cum Laude PhD Dissertation Award, University of Granada, Spain.
2011	**Award:** Best PhD dissertation during 2010, University of Granada, Spain.
2011	**Scholarship:** Postdoctoral Research Fellowship, University of Cape Town, Cape Town, SA.
2013	**Award and Grant:** Rose Travelling Fellowship, Department of Epidemiology and Biostatistics, Harvard School of Public Health, Boston, MA, US.
2014	**Honor** Research Associate Centre de Recherche Epidémiologie, Biostatistique et Recherche Clinique. Free University of Brussels, Belgium.
2014	**Award: International visiting fellowship** in the Faculty of Health Sciences, Department of Public Health and Preventive Medicine of the University of Iceland, Reykjavik, Iceland.
2015	**Award: Visitor Research Scientist** appointment at the Department of Epidemiology of the TH. Chan Harvard School of Public Helth, Boston, US
2016	**Award:** British Royal Society of Statistics: **Graduated Statistician**. GStat (UK)
2017	**Award:** Spanish National Institute of Health, Carlos III: Miguel Servet I investigator.

6. Presentations and Seminars

2009	International Association of Epidemiology, Brazil. **Cholera Reemergence and Climatic Change.**
2010	**Maternal mortality and stillbirths in Spain.** University the Montreal, Faculty of Medicine, Department of Social Medicine and Epidemiology, Canada.
2011	**Impact evaluation of new models of care: Club of patients**. The University of Cape Town, Center of Infectious Diseases and Epidemiology, Cape Town, South Africa.
2013	SPER and SER conferences. **Circadian Rhythms in Perinatal Epidemiology** (Posters).
2014	SPER and SER conferences. **Circadian Rhythms in Perinatal Epidemiology** (Oral presentation) and Within Siblings Placental Weight (Poster).
2014	**Impact Evaluation in Epidemiology**. Johns Hopkins School of Public Health, Department of International Health, US.
2014	**Impact Evaluation in Epidemiology**. Harvard University, School of Public Health, Department of Epidemiology, US.
2014	**Within Siblings Analysis in Perinatal Epidemiology.** Harvard University, School of Public Health. Department of Epidemiology.
2014	**Circadian Rhythms in Perinatal Epidemiology**. Harvard University, School of Public Health, Department of Epidemiology.
2014	**Impact Evaluation in Epidemiology**. Icelandic School of Public Health, Reykjavik, Iceland.
2015	**Counterfactual framework and Causal Inference in Epidemiology**, London School of Hygiene and Tropical Medicine, Department of Non-Communicable Disease Epidemiology, London, UK.
2015	**Cross-validation as Model Selection** Strategy in Epidemiology, London School of Hygiene and Tropical Medicine, Department of Non-Communicable Disease Epidemiology, London, UK.
2016	**Performance of Causal Estimators under Model Misspecification** and Unmeasured Confounders in the Context of Population-based Observational Cancer Epidemiology. UK Causal Inference International Conference. LSH&TM. April 2016.
2017	**Ensemble Learning Targeted Maximum Likelihood Estimation (ELTMLE).** Stata Users Meeting in London (U.K.). September 2017.
2017	**Estimating Standardized Risk Differences in Clinical Epidemiology.** Oxford University. U.K.
2018	**Introduction to Survival Analysis.** Université Libre de Bruxelles, Ecole de Santé Publique. Brussesls, Belgium.
2018	**Pattern of Comorbidities among Colorectal Cancer Patients in Spain.** European Network of Cancer Registries, Denmark, May 2018.
2018	**Ensemble Learning Targeted Maximum Likelihood Estimation (ELTMLE) and Cross-validated Area Under the Curve.** Stata Users Meeting in Barcelona (Spain). September 2018.
2019	**cvAUROC** in clinical epidemiology: A Stata user writing package. Internal seminar. Dpt. Biostatistics. Berkeley School of Public Health.
2022	**Introduction to Causal Inference Methods and Algorithms**. Lonson School of Hygiene and Tropical Medicine, London, UK.
2023	**Introduction to Causal Inference Methods and Algorithms**. Mathematical Institute of Granada (IMAG), Granada, Spain.

Some of these presentations can be downloaded from my Harvard academic web page:
http://scholar.harvard.edu/malf/presentations

7. Education

INSTITUTION AND LOCATION	DEGREE	MM/YY	FIELD OF STUDY
University of Granada, Granada, Spain	BSc	06/93	Health Sciences
University of Granada, Granada, Spain	MSN	09/97	Midwife (obstetrics and gynaecology)
National Institute of Health, Carlos III, Madrid, Spain	Univ. Dipl.	12/03	International Health & Tropical Medicine
University of Granada, Granada, Spain	BSc/MA	06/04	Social & Cultural Anthropology
UNED University, Madrid, Spain	Univ. Dipl.	06/05	Medical Statistics

University of Granada, Granada, Spain	MPH	09/06	Public Health & Health Management
University of Belgium, Brussels, Belgium	MSc	06/07	Epidemiology & Biostatistics
National Institute of Health, Carlos III, Madrid, Spain	MSc	10/09	Epidemic Intelligence Service (EIS): MSc in Field Epidemiology
Faculty of Medicine, University of Granada & School of Public Health, University of Belgium, Granada/Brussels, Spain/Belgium	**PhD**	09/10	Epidemiology & Public Health
University of Newcastle, Australia (Biostatistics Collaboration of Australia, BCA) http://www.bca.edu.au/	**MSc**	12/14	**Mathematical Medical Statistics (Biostatistics)**
Open University, London, UK	**BSc (Hon)**	2017/24	**Mathematics**
Harvard TH Chan School of Public Health, Department of Biostatistics	Univ. Certificate	06/19	Certificate in Biostatistics
Massachusetts Institute of Technology (MIT)	Univ. Certificate	07/20	University certificate in Machine Learning and artificial intelligence
Universidad de Nebrija (INDRA), Spain	MSc	2021/--	**Master in Data Science**

8. Courses and certified training

- 2006, **EPISTAT** summer institute: *Multivariate Epidemiological Modeling (Linear Regression, Logistic Regression, and Survival Analysis)*, **Free University of Brussels**, **Belgium**.
- 2007, *Statistics I and II* and *Complex Sampling with SAS*, **SAS Paris**, **France**.
- 2008, *Bayesian Analysis with WinBugs*. Institute of Statistics, Biostatistics and Actuarial Sciences, Université Catholique de Louvain, **Belgium.**
- 2009, *Time Series Analysis and Generalized Linear Models*, **National Center for Research and Science**, Madrid, **Spain**.
- 2009, *Multilevel Modeling*, Statistical Department, **Lancaster University**, **UK**.
- 2010, *Advanced Epidemiological and Statistical Methods (Causal Inference, Multiple Imputation, Clustering in Epidemiological Data and Measurement Error)*, School of Social and Community Medicine, **Bristol University**, **UK.**
- 2011, *Graduate Summer Institute of Biostatistics (Advanced Courses: Longitudinal Data Analysis, Poisson Regression, Methods in Genetic Epidemiological Research, Survival Analysis, Multilevel Modeling and Social Epidemiology)*, **Johns Hopkins University**, Bloomberg School of Public Health, Baltimore, **US**.
- 2009-2013 **Stata Net** Courses: Introduction to Stata **101**, Introduction to Stata Programming **151**, Advanced Stata Programing **152**, Introduction to Univariate Time Series Analysis **461**, Longitudinal and Panel Data Analysis **471**, Survival Analysis **631**.
- 2013, *Summer Institute, Geographic Information System (GIS)***,** Center for Geographic Analysis, **Harvard University**, Boston, **US**
- 2013, *Dynamic Web pages' development*, Harvard Extension School, **Harvard University**, Boston, **US**
- 2014, *Data Scientist and Big Data*, Harvard Extension School, **Harvard University**, Boston, **US**
- 2014, *Mathematical Statistics for computer scientist and Programming with R*, Harvard Extension School, **Harvard University,** Boston, **US**.
- 2014, *Statistical Learning*, Open edx, **Stanford University**, **US**.
- 2014, *Advanced Quantitative Methodology,* Gary King (Political Sciences), Harvard Extension School, **Harvard University, US**
- 2015, *Causal Mediation Analysis* (Professor Tyler VanderWeele), Department of Biostatistics (Catalyst) Harvard School of Public Health, **Harvard University, US**
- 2015, *Applied Longitudinal Analysis* (Professor Fitzmaurice), Department of Biostatistics (Harvard Catalyst) Harvard School of Public Health, **Harvard University, US**
- 2015, *Big Data Science summer course,* **Pivigo and Westminster University**, London, UK
- 2015, *Causal Inference in Econometrics,* **Timberlake,** London, UK.

- 2015, *Panel Data and Dynamic Time Series Analyses,* **Timberlake**, London, UK
- 2016, *Programming with MATA*, **Timberlake**, London, UK
- 2017, *Instrumental Variables and Structural Equations Modelling*, **Timberlake**, London, UK
- 2017, *Comparative Effectiveness Research*, **Harvard Catalyst Program**, Harvard University Boston, US
- 2017, *Causal Inference and Big Data Analytics*, Summer Course, **Pennsylvania University**, US
- 2018, *Advanced Survival Analysis for Biostatisticians*, Summer Course, Trevisso, Italy.
- 2019, University *certificate in Biostatistics.* **Harvard Catalyst Program**, Harvard University Boston, US
- 2020. University certificate in Machine Learning, **MIT**, Massachusetts Institute of Technology, Boston, US
- 2022. Statistical Learning, **Stanford University**, online (certified diploma), Stanford, US

9. Funding (Most recent first)

- Title: Guidelines and best practices for the use of targeted maximum likelihood and machine learning when estimating causal effects of exposures on time-to-event outcomes. International Society for Pharmaceutical Engineering. 2022-2023 $10.000 Canadian dollar. **Collaborator**
- Title: ROBEST: Ensuring robustness of evidence in public health research for increased policy impact: widened use of advanced causal inference techniques. **Co-Principal Investigator.** Medical Research Council, UK. £600,000
- Title: Big Data Analyses of Long-Term Outcome in Non-Hodgkin Lymphoma Survivors in Hong-Kong. Research Fund Secretariat, Food and Health Bureau, Hong-Kong. 2020-2023. $1.216.912. **Co-Investigator.**
- Inequalities in Cancer Outcomes Network. Cancer Research UK. C7923/A29018. 2020-2023. **Co-Investigator**
- Title: High Resolution Study of Social Inequalities in Cancer: a population-based multilevel study (HiReSIC). Spanish Association Against Cancer (AECC), Spain**. 2021-2023**. €258.000 **Co-PI: Miguel Angel Luque Fernandez.**
- Title: Socioeconomic Inequalities in the Geographic Distribution of Incidence, Mortality and Net Survival of Cancer in Spain: A Multilevel Population-Based Study. National Health Institute, Carlos III. Madrid, Spain**. 2019-2021**. €120.000 **PI: Miguel Angel Luque Fernandez.**
- Title: Evaluation of the burden of Comorbidities on Cancer Patients. National Health Institute, Carlos III. Madrid, Spain. **2018-2020**. €100,000 EU. **PI: Miguel Angel Luque Fernandez**.
- Title: Cancer Survival Program: Methods and tools for cancer survival analysis (Targeted Maximum Likelihood Estimation: A Tutorial for Applied Researchers). Cancer Research UK. C7923/A18525. **2017-2022**. £5,000.000. **Supported by and Collaborator**.
- Title: The effect of the economic crisis on mortality and reproductive health and health inequalities in Spain 2005-2013. **2016-2019**. €150,000 EU. **Co-PI: Miguel Angel Luque Fernandez**.
- Title: Unveiling the Smoking Pre-Eclampsia Paradox using the Counterfactual Framework.
Funding Institution: The Department of Biostatistics of the TH Chan Harvard School of Public Health, Period covered: 2014 to 2015-16. Total funding amount: USD 10,000. **PI: Miguel Angel Luque Fernandez**.
- Title: Glycation Inactivation of Human CD59 and Diabetic Complications. Funding Institution: National Institutes of Health, USA. Period covered: 2015-16. Grant number: 5R01DK101442-02. Total funding amount: USD 450,000. PI: Jose Halperin. Contributions**: Consultant,** statistical and epidemiological support.
- Title: Pilot Study of Gestational Diabetes Mellitus Screening feasibility. Funding institution: Roche Diagnostic Operations Inc. (Minneapolis, USA). Period covered: 2013-15. Total funding amount: USD 500,000. PI: Michelle A. Williams. Contributions: **Co-investigator**.
- Title: Sex offender sentencing symptoms in women who have been sexually abused. Research Founds University of Iceland, Faculty of Medicine-School of Public Health. 800000 Kronas. 2010-2013. **Collaborator.**
- Title: Postdoctoral research fellowship contract program. Funding Institution: The University of Cape Town, Center for Infectious Disease Epidemiology and Research (CIDER), South Africa and CDC Atlanta, USA. Period covered: 2011-12. Contract number: LQFMIG001. Funding amount: ZAR 375,000. Contributions: **Supported by**.
- Title: Field Epidemiology Training Program. Epidemic Intelligence Officer Fellowship. Funding Institution: National Institute of Health, Carlos III, Madrid, Spain. Period covered: 2009-2010. Funding amount: €50.000. Contributions: **Supported by**.

10. Awards

2010– **Best PhD Dissertation** in the field of **Health Sciences** from the University of Granada, Granada, Spain.
2015– **Rose Award Fellowship** from the **Department of Biostatistics** of the TH Chan Harvard School of Public Health, Boston, US
2018– Carlos III National Institute of Health, Madrid Spain: Fellowship to visit the Department of Biostatistics of the Berkeley School of Public Health, Berkeley, California, USA (**January-July 2019**).

2020– **Bronze Medal Winner of the Prize for Best Original Research** from Hong Kong Academy of Medicine by article "Prediction model for short-term mortality after palliative radiotherapy for patients having advanced cancer: a cohort study from routine electronic medical data".

11. Supervision of graduate students and postdoctoral fellows

2011– 2012 **1** MPH student, University of Cape Town, Cape Town, South Africa
2014– 2015 **1** PhD student in Epidemiology, TH HSPH and Erasmus University, Rotterdam, Netherland
2015– 2017 **2** MSc Students in Epidemiology, **1** PhD student in Epidemiology, LSHTM, London, UK
2018– 2020 **2** MPH Students in Public Health, Andalusian School of Public Health, University of Granada, Spain.
2018– 2021 **1** PhD student in Epidemiology and Biostatistics, LSHTM, London, UK
2021–   **1** PhD student in Epidemiology and Biostatistics, LSHTM, London, UK

12. Teaching activities

2013–2015 **Instructor/Teaching Assistant** – Epidemiology/TH Chan Harvard School of Public Health/ US (Epidemiology and Biostatistics computing seminars)
2015– **Assistant Professor of Epidemiology**– Epidemiology and Biostatistics, London School of Hygiene and Tropical Medicine/ London/ UK (Advanced Statistical Methods in Epidemiology, Global Health Epidemiology, Causal Inference in Epidemiology and Cancer Survival Methods)
2018– **Honorary Assistant Professor of Epidemiology** – Advanced Statistical Methods in Epidemiology (EPM304). Tutoring PhD and MSc students at the London School of Hygiene and Tropical Medicine/ London/ UK
2018– Professor of Biostatistics –**Survival Analysis** for MSc students at the ULB, Ecole de Santé Publique.
2019– Introduction to Causal Inference for Epidemiologists. Andalusian School of Public Health and Spanish Society of Epidemiology
2020– Introduction to Causal Inference for Epidemiologists (in Spanish). Online. https://ccci.netlify.app/
2022– Biostatistics/Statistics Medicine, Faculty of Medicine, Granada, Spain.
2023– Biostatistics/Statistics Medicine, Faculty of Medicine, Granada, Spain.
2024– Biostatistics/Statistics Medicine, Faculty of Medicine, Granada, Spain.

13. Organisation of scientific meetings

2015– Co-organizer of and Internal Workshop about Studies Designs and Epidemiological Methods for Repeated Measures in Perinatal Epidemiology/ TH Chan Harvard School of Public Health / 20 Attendees / Boston / UK
2016–Co-organizer of the International Conference: Time-to-event and Causal Inference in Population-Based Epidemiology / 150 Attendees / London / UK

14. Institutional responsibilities

2014– Faculty member, Department of Biostatistics and Epidemiology, Université Libre de Bruxelles, Belgium
2015– Member of the Department of Epidemiology, Harvard University/ Department of Epidemiology, TH Chan Harvard School of Public Health, Boston, US
2015– Member of the Faculty Committee for Research, University of Iceland/ Faculty of Medicine/Department of Public Health and Epidemiology, Reykjavik, Iceland
2016– Organiser of Internal Methodological Seminars, Cancer Survival Group, Department of Epidemiology and Population Health, London School of Hygiene and Tropical Medicine, London, UK
2023– Coordinator Statistics in Health Sciences degree (Fisioterapia), University of Granada

15. Commission of trust

2010– Scientific Advisory Board, Spanish Society of Epidemiology/ Madrid/ Spain
2016– Review panel member, University of Iceland/ Department of Epidemiology/ Iceland
2016– Scientific Advisor, World Health Organization, Reproductive Health and Research Program/ Switzerland
2016– Scientific Evaluation, UNICEF Evaluation Unit/ New York, UK
2019– Academic Editor Plos One
2019– Academic Editor International Journal of Biostatistics
2015– Assessor to the Board of Examiners in MSc, PG Diploma and PG Cert in Epidemiology of the London University

16. **Membership of scientific societies**

2013– Member, Society of Epidemiology Research, US
2013– Member, Society of Perinatal Epidemiology, US
2013– Founding Member, GRAPE/ Department of Epidemiology/TH Chan Harvard School of Public Health/ US

17. **Major collaborations**

▪ **Professor Michael Schomaker,** Professor of Statistics Munich University. Statistician, Centre for Infectious Disease Epidemiology and Research, University of Cape Town, South Africa. Causal Inference for longitudinal data collaborations.
▪ **Professor Michelle A. Williams,** Former Chair of the Department of Epidemiology and current Dean of the TH Chan Harvard School of Public Health. Ongoing collaborations in Global Health and Perinatal Epidemiology
▪ **Professor of Cancer Epidemiology Bernard Rachet** at the London School of Hygiene and Tropical Medicine. Causal Inference Methods for Population-Based Research

18. **Publications**

Scientific production:

Google Scholar webpage (H-Index):
http://scholar.google.com/citations?user=lA11XToAAAAJ&hl=en

Books: 4 books and 2 book's chapters; **Statistical software**: 5; **Articles**: 101
Total citations: 3,271
H-index: 32; **i10-index: 64**

Books

1. **Luque Fernández, M.A**. Enquête de Couverture Vaccinale Lubutu, 2009 (In French). Editions Universitaires Europeennes, 2011.
2. Murielle DEGUERRY, Myriam DE SPIEGELAERE **Miguel Angel LUQUE-FERNANDEZ**, et al., (2010). Tableau de bord de la santé en Région bruxelloise 2010, Observatoire de la Santé et du Social de Bruxelles-Capitale, CCC, Bruxelles (In French). ISBN: D/2010/9334/35.
3. **Luque Fernández, M.A**. (2010). EPIDEMIOLOGICAL ANALYSIS OF THE FERTILITY PATTERN IN SPAIN, 1996-2006: EVOLUTION AND TREND OF THE MATERNAL AND FOETAL MORBI-MORTALITY. ISBN: 978-84-693-5379-0.
4. *Social Environment and Cancer in Europe. Towards an Evidence-Based Public Health Policy.* Springer Nature Switzerland (Two book chapters)
5. **Luque Fernandez MA & Matthew Smith**. Computational Causal Inference for Applied Research. CRC mathematical methods. (2022/23)

Peer-reviewed articles

Perinatal Epidemiology:

3. Cano-Ibáñez N, Martínez-Galiano JM, **Luque-Fernández MA**, Martín-Peláez S, Bueno-Cavanillas A, Delgado-Rodríguez M **(2020).** Maternal Dietary Patterns during Pregnancy and Their Association with Gestational Weight Gain and Nutrient Adequacy. International Journal of Environmental Research and Public Health 2020, Vol. 17, Page 7908 2020;17(21):7908
4. **Luque-Fernandez MA. (2020).** [Mental health in the perinatal period and maternal stress during the Covid-19 pandemic: influence on fetal development] 2020 Sep 10;94:e1-e2. Rev Esp Salud Publica
5. Saverio Bellizi, **Luque-Fernandez MA (2019).** Sexual Violence and maternal hypertensive complications: analysis of data from seven countries. Journal of Global Health.
6. Brenda Biaani León-Gómez, **MA Luque-Fernandez**; Unaí Martin; Maica Rodríguez-Sanz; Gloria Pérez **(2019)**. Bayesian smoothed small-areas analysis of the urban inequalities in fertility across 1999-2013. Fertility Research and Practice.

7. Vanessa Puig-Barrachina, Maica Rodríguez-Sanz, María Felicitas Domínguez-Berjón, Unai Martín, **Miguel Ángel Luque-Fernandez**, Miguel Ruiz, Glòria Perez. **(2019)** Decline in fertility induced by economic recession in Spain. Gaceta Sanitaria.

8. **Luque Fernandez, MA** et al. **(2019).** Secular Trends in Stillbirth risk by maternal socioeconomic status and country of origin: a population-based observational study in Spain, 2007-2015. (Accepted), European Journal of Public Health.

9. Perez G, Gotsens M, Cevallos-Garcia C, Dominguez-Berjon MF, Diez E, Bacigalupe A, Palencia L, Leon-Gomez BB, **Luque-Fernandez MA,** Mari-DellOlmo M, Martin U, Puig-Barrachina V, Rodriguez-Sanz M, Ruiz M. **(2018)** The impact of the economic recession on inequalities in induced abortion in the main cities of Spain. European Journal of Public Health.

10. Laia Palència, Vanessa Puig-Barrachina, Marc Marí-dell'Olmo, Mercè Gotsens, Maica Rodríguez-Sanz, Xavier Bartoll, **Miguel Angel Luque-Fernandez**, Glòria Pérez, other IMCRISES members **(2018)**; Trends in small-for-gestational age before and after the economic crisis in Spain, *European Journal of Public Health*, Volume 28, Issue 2, 1 April 2018, Pages 325–327

11. Agnes Gisladottir, **Luque-Fernandez MA**, Unnur Valdmimasdottir, et al., **(2016)**. Maternal exposure to sexual violence and subsequent neonatal outcomes. Under review, Pediatric and Perinatal Epidemiology.

12. Pérez G, Gotsens M, **Luque-Fernández MA,** et al., **(2016).** Study protocol on the effect of the economic crisis on mortality and reproductive health and health inequalities in Spain. Gaceta Sanitaria. PMID: 27474486 Cited: 0.

13. Agnes Gisladottir, **Luque-Fernandez MA,** et al., **(2016)**. Maternal exposure to sexual violence and subsequent neonatal outcomes. In Press, March 2016. PLoS One. PMID: 27007230. Cited: 0.

14. Bizu Gelaye, **Luque-Fernandez MA**, et al., **(2015)**. Fasting lipid and lipoproteins concentrations in pregnant women with a history of migraine. Headache. PMID: 25904286. Cited: 2.

15. Chunfang Qiu, Bizu Gelaye, Marie Denis, **Luque-Fernandez MA,** et al., **(2015).** Circadian clock-related genetic risk scores and risk of placental abruption. Placenta. PMID: 26515929. Cited: 2.

16. Jayne R Rice, Gloria T Larrabure-Torrealva, **Luque-Fernandez MA,** et al., **(2015).** High risk for obstructive sleep apnea and other sleep disorders among overweight and obese pregnant women. BMC pregnancy. PMID: 26330183. Cited: 1.

17. Cande V Ananth, Katherine M Keyes, Ava Hamilton, Mika Gissler, Chunsen Wu, Shiliang Liu, **Luque-Fernandez MA**, et al., **(2015)**. An international contrast of rates of placental abruption: an age-period-cohort analysis. PloS One 10:5.05. PMID: 26330183. Cited: 5.

18. Chunfang Qiu, Daniel A Enquobahrie, Ihunnaya O Frederick, Tanya K Sorensen, **Luque Fernandez MA,** et al., **(2014).** Early pregnancy urinary biomarkers of fatty acid and carbohydrate metabolism in pregnancies complicated by gestational diabetes. Diabetes research and clinical practice. 104:3.393-400. PMCID: 24703806. Cited: 3.

19. **Luque-Fernandez MA**, Bain PA, Gelaye B, et al., **(2013)**. Sleep Disordered Breathing and Gestational Diabetes Mellitus: A Meta-analysis of 9,795 Participants Enrolled in Epidemiological Observational Studies. Diabetes Care 36:1–8, 2013. PMCID: PMC3781575. Cited: 15.

20. **Luque Fernandez MA**, Franco M, Gelaye G, et al., **(2013)**. Unemployment and stillbirth risk among foreign-born and Spanish pregnant women in Spain, 2007-2010: a multilevel analysis study. European Journal of Epidemiology. PMID: 24142267. Cited: 9.

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Software development

https://github.com/migariane
https://scholar.harvard.edu/malf/software-0

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