Maria Fernanda Pintado

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RESEARCH INTERESTS	Bayesian statistics, Reduced-rank regression, Statistical methodology

EDUCATION

Queen Mary University of London – London, United Kingdom
PhD in Mathematics (Nov 2021 – Present)
Supervisors: A. Shestopaloff, M. Iacopini, L. Rossini

University of Sonora – Hermosillo, Mexico
BSc in Mathematics (Aug 2016 – May 2020)

WORKING PAPERS

Pintado, M.F., Iacopini, M., Rossini, L. and Shestopaloff, A. (2023) – Uncertainty Quantification in Bayesian Reduced-Rank Sparse Regressions. *arXiv:2306.01521* (R&R)

PRESENTATIONS

Contributed Presentations
· BAYSM 2023 - Bayesian Young Statisticians Meeting. Virtual (13-17 Nov 2023)
· ICEEE 2023 - 10th Italian Congress of Econometrics and Empirical Economics. Cagliari, Italy (26-28 May 2023)

Invited Presentations and Seminars
· CAISE Workshop on Scholarship of Inclusivity in Science and Engineering, London, United Kingdom (16 Jan 2024)
· QuIPS, School of Mathematical Sciences, Queen Mary University of London, London, United Kingdom (02 Nov 2023 & 18 Nov 2022)
· Undergraduate Research Seminar, Queen Mary University of London, London, United Kingdom (01 Nov 2023 & 14 Feb 2024)
· Bag-Lunch Education Seminar, School of Mathematical Sciences, Queen Mary University of London, London, United Kingdom (31 Oct 2023 & 12 Oct 2022)
· EDI Lunch Talk, Department of Mathematics, King's College London, London, United Kingdom (20 Oct 2023)

Poster Presentations
· 2024 ISBA World Meeting - International Society for Bayesian Analysis. Venice, Italy (01-07 Jul 2024)
· Queen Mary Festival of Education. London, United Kingdom (6-7 Mar 2024)
· 13th ESOBE - European Seminar on Bayesian Econometrics. Glasgow, United Kingdom (1-2 Sep 2023)
· PGR Day - QMUL School of Mathematical Sciences Postgraduate Research Day. London, United Kingdom (12 May 2023)
· CAISE Launch - Centre for Academic Inclusion in Science and Engineering. London, United Kingdom (31 Oct 2022)

AWARDS & SCHOLARSHIPS	· **Poster Award Innovation Category** – *Queen Mary Festival of Education* (2024) · **Best Long Talk Award** – *Bayesian Young Statisticians Meeting (BAYSM)* (2023) · **Faculty Award for Equality, Diversity and Inclusion** – *Queen Mary University of London, Faculty of Science and Engineering* (2023) · **ISBA Junior Travel Award** – *International Society for Bayesian Analysis* (2024) · **Scholarship for Doctoral Studies Abroad** – *CONAHCyT, Mexico* (2021-2023)

TEACHING EXPERIENCE

King's College London, Department of Mathematics
Graduate Teaching Assistant
· Bayesian Statistics – *Master* (AY 2023/24)
· Statistical Modelling – *Undergraduate* (AY 2023/24)
· Probability and Statistics I – *Undergraduate* (AY 2021/22 - 2023/24)
· Probability and Statistics II – *Undergraduate* (AY 2022/23)

Queen Mary University of London, School of Mathematical Sciences
Teaching Associate
· Bayesian Statistical Methods – *Undergraduate* (AY 2023/24)
· Programming for Business Analytics – *Master* (AY 2022/23)
· Probability and Statistics I – *Undergraduate* (AY 2022/23)
· Introduction to Probability – *Undergraduate* (AY 2022/23)

OTHER EXPERIENCE

We Solve Problems – London, United Kingdom
Tutor (Jan 2023 – Present)
Extra-curriculum mathematical education for maths enthusiasts in school years 7-11.

TIS Consulting Group – Hermosillo, Mexico
Consulting Analyst (Jun 2020 - Sep 2021) / **Internship** (Jan 2020 - May 2020)
Data analysis and problem solving through fact-based decisions in business consultancy.

SERVICE & OUTREACH

Postgraduate Representative, School of Mathematical Sciences, Queen Mary University of London (Jun 2022 - Present)
Equality, Diversity and Inclusion (EDI) Committee member, School of Mathematical Sciences, Queen Mary University of London (Sep 2023 - Present)
Centre for Academic Inclusion in Science and Engineering (CAISE) member, Queen Mary University of London (Sep 2023 - Present)
Festival of Communities, London, United Kingdom (10-11 Jun 2023 & 8-9 Jun 2024)
"Mathematical Life Stories" panelist, Queen Mary University of London (08 Nov 2023)

CERTIFICATIONS & TRAINING

Bloomberg Market Concepts. *Bloomberg for Education* (Jul 2022)
Nonlinear Time Series Analysis Course. *University of Sonora* (Mar 2020)
Diploma in Applied Biostatistics. *University of Sonora* (Aug - Dec 2019)

MEMBERSHIPS

International Society for Bayesian Analysis (ISBA)
Royal Statistical Society (RSS)
Institute of Mathematical Statistics (IMS)

SKILLS

Programming and software

Proficient in: Matlab, R, LaTeX, Microsoft Office.
Familiar with: C++, Python, SQL.

Languages
Spanish (Mother Tongue) – *English* (Fluent) – *French* (Good) – *German* (Basic) – *Italian* (Basic)

REFERENCES

Alex Shestopaloff – *Senior Lecturer*
School of Mathematical Sciences, Queen Mary University of London
327 Mile End Road, E1 4NS London - United Kingdom
E-mail: a.shestopaloff@qmul.ac.uk

Luca Rossini – *Tenure-Track Assistant Professor*
Department of Economics, Management and Quantitative Methods, University of Milan
Via Conservatorio 7, 20122 Milan - Italy
E-mail: luca.rossini@unimi.it

Matteo Iacopini – *Lecturer*
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E-mail: m.iacopini@qmul.ac.uk