Lasai Barreñada

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Employment

KU Leuven

PhD Researcher in clinical prediction models (Leuven) 2022/10-

Basque Center for Applied Mathematics (BCAM)

Research technician in machine learning (Bilbao) 2021/12-2022/09

Spanish national statistical office (INE Spain)

Postgraduate internship (Madrid) 2020/10-2022/09

Publicis media

Data science internship (Madrid) 10/2019-05/2020

Education

KU Leuven, PhD in Biomedical Sciences 2022-2026

Complutense university of Madrid (UCM), European Master in Official Statistics (EMOS) 2019-2021

University of Angers, B.A. Marketing (Erasmus programme) 2017-2018

University of Granada, B.A. Marketing 2015-2019

Publications

Barreñada, L., Ledger, A., Dhiman, P., Collins, G., Wynants, L., Verbakel, J. Y., Timmerman, D., Valentin, L., & Van Calster, B. (2024). ADNEX risk prediction model for diagnosis of ovarian cancer: Systematic review and meta-analysis of external validation studies. *Bmjmed*, *3*(1), e000817. https://doi.org/10.1136/bmjmed-2023-000817

Barreñada, L., Dhiman, P., Timmerman, D., Boulesteix, A.-L., & Van Calster, B. (2024). *Understanding random forests and overfitting: A visualization and simulation study* (arXiv:2402.18612). arXiv. https://doi.org/10.48550/arXiv.2402.18612

Barreñada, L., Gálvez Sainz de Cueto, J. C., & Fernández Calatrava, J. (2022). Timeliness reduction on industrial turnover index based on machine learning algorithms. *Statistical Journal of the IAOS*, *38*(4), 1195–1205. https://doi.org/10.3233/SJI-220086

Technical Reports

Martínez-García, M., García-Gutierrez, S., Barreñada Taleb, L., Armañanzas, R., Inza, I., & Lozano, J. A. (2023). *Clinical severity prediction of COVID-19 admitted patients in spain: SEMI and REDISSEC cohorts* [Preprint]. Health Informatics. https://doi.org/10.1101/2023.02.08.23285589

Barreñada, L. (2021). *Imputación de datos mediante random forest* [Master thesis]. https://hdl.handle.net/20.500.14352/5138

Conference presentations

Head-to-head comparisons of RMI and ADNEX models (presenation), ISUOG, Budapest	2024-09
Multicenter flexible calibration curves using random effects meta-analysis (poster), ISCB, Thesalonikki	2024-07
Drawing multicenter calibration curves (presentation), Sociedad Española de Bioestadistica (SEB)	2024-02
ADNEX model systematic review and meta-analysis (presentation), ISUOG, Seoul	2023-10
Do we understand random forests? (poster), ISCB, Milan	2023-08
Do we understand random forests? (poster), Young Statisticians Meeting (YSM), Leicester	2023-07

Awards

Young investigator award in gynaecology, issued by ISUOG	2023
Young statisticians prize (YSP), issued by IAOS	2022