

Curriculum Vitae

Personal information

First name(s) / Surname(s)	Maximiliano Romero
Professional e-mail	maximiliano.romero@iea-hamburg.de
Work phone	+49 (40)48500 684
* Nationality	Chilean
* Date of birth	08/07/1989
* Gender	Male

Position / Organisation

Work experience

Dates	2024 – Present
Occupation or position held	Psychometrician/Research Analyst
Main activities and responsibilities	Scaling of questionnaire and test data, psychometric analyses of items quality, test consistency based on classic and Item Response Theory, and measurement invariance. Research using and supporting further development of IEA studies and dissemination of the findings.
Name of employer	Stichting IEA Secretariaat Nederland. IEA Hamburg (formerly IEA Data Processing and Research Center)
Type of business or sector	Non-profit research organization
Dates	2021 – 2024
Occupation or position held	Sampling Statistician
Main activities and responsibilities	Sampling, weighting, and variance estimation for IEA Studies (ICILS, ICCS, TIMSS, PIRLS).
Name of employer	Stichting IEA Secretariaat Nederland. IEA Hamburg (formerly IEA Data Processing and Research Center)
Type of business or sector	Non-profit research organization
Dates	2015 – 2021
Occupation or position held	Statistical Analyst
Main activities and responsibilities	Leading the development of questionnaires to assess indicators of educational quality, including school environment, participation, academic self-esteem, and well-being. Conducting psychometric analysis of personal and social development indicators. Preparing technical documentation for internal and external distribution.
Name of employer	National Agency for Educational Quality of Chile
Type of business or sector	Government, Education

* Other Professional Activities

Past	Lectureship at the University of las Americas: Course “Probability and Statistical Inference”
------	---

Education and training

Dates	2019 – 2022
Title of qualification awarded	Master of Science (M.Sc.) in Statistics
Principal subjects/occupational skills covered	General Linear Models, Psychometrics, Sampling
Name and type of organisation providing education and training	Pontifical Catholic University of Chile
Dates	2008 – 2014
Title of qualification awarded	Statistical Engineer
Principal subjects/occupational skills covered	Probability, Statistical Inference, Coding
Name and type of organisation providing education and training	University of Santiago of Chile

**Personal skills and
competences**

Mother tongue(s)	Spanish
Other language(s)	English
Computer skills and competences	Microsoft Office, R, SAS, SPSS, MPlus, Python, STATA, LaTeX

Publications

Cortes, D., Dominitz, J., & Romero, M. (2025). Partial identification of mean achievement in ILSA studies with multi-stage stratified sample designs and student non-participation. *Journal of the Royal Statistical Society Series A: Statistics in Society*, qnaf209.