ENRIQUE EDUARDO VALENCIA LÓPEZ

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ACADEMIC APPOINTMENTS

Postdoctoral Scholar   *August 2024-August 2026*

Postdoctoral research funded by the Strada Foundation Fellowship in labour market outcomes and higher education. Analysis of administrative, survey, and online data using 1) Item response theory; 2) Causal inference methods (propensity score matching); and 3)large language models.

EDUCATION

Ph.D. University of California, Berkeley   *2024*
School of Education
Ph.D in Education.
Graduate Certificate in Data Science by the School of Information

Katholieke Universiteit Leuven, Leuven, Belgium   *2012*
Master in Social Policy Analysis

College of the Atlantic, Bar Harbor, ME   *2011*
Bachelor of Arts, Human Ecology

RESEARCH: PEER-REVIEWED AND PUBLISHED REPORTS

- Schlieber, M., Knight, J., Adejuno, T., Copeman Petig, A., **Valencia Lopez, E.**, Pufall Jones, E. (2023). *Early Educator Voices: Oregon: Work Environment Conditions that Impact Early Educator Practice and Program Quality* Center for the Study of Child Care Employment, University of California, Berkeley.

- Schlieber, M., Adejuno, T., Knight, J.,**Valencia Lopez, E.** & Pufall Jones, E. (2023) "...Because We Do So Together": A Mixed-Methods Analysis of Assistant Teacher's Work Environment, Conditions, and Teamwork Experiences. *International Journal of Child Care and Education Policy, 17*, 19. doi:/10.1186/s40723-023-00123-6

- Pacheco-Montoya, D., Murphy-Graham, E., **Valencia Lopez, E**, Cohen, A. (2022) Gender norms, control over girls' sexuality and child marriage: A Honduran case study.*Journal of Adolescent Health, 70* issue 3, doi: 10.1016/j.jadohealth.2021.11.007

- Murphy-Graham, E., Pacheco, D., Cohen, A. & **Valencia Lopez, E.** (2021) Examining school dropout among rural youth in Honduras: Evidence from a mixed methods longitudinal study *International Journal of Educational Development, 82*, issue C, doi: 10.1016/j.ijedudev.2020.102329

- Schlieber, M., Austin, L. E.,& Valencia Lopez, E. (2020). *Marin County center-based early care education workforce study 2019.* Center for the Study of Child Care Employment, University of California, Berkeley.

- **Valencia Lopez, E. (2019)** *Improving and Aligning Measurement of Ethnicity in Latin America: A Pre-print.* Paris:UNESCO.

- Zheng, Y., Guerriero, M., **Valencia Lopez, E.** & Haverman, P. (2017) *Universal Basic Income: A Working Paper. A Policy Option for China beyond 2020?* Beijing:United Nations Development Programme.

- Panorama Educativo de México, 2015" & "Panorama Educativo de México, 2016 (Education at a Glance: Mexico). (With many co-authors, INEE, 2015 & 2016).

- Breve Panorama Educativo de la Población Indígena, 2017 (Educational Report on Indigenous Education). (Co-authored with UNICEF-Mexico staff). INEE-UNICEF, 2016.

- El Estado de la Educación en México (The state of education in Mexico). (with many co-authors). INEE, 2015 & 2016.

RESEARCH: WORK IN PROGRESS

Schlieber, M., **Valencia Lopez, E.**, Copeman Petig, A. & Pufall Jones, E.. (revise and resubmit)

Cuenca, N., **Valencia Lopez, E.**, Murphy-Graham, E. Gender in Latin America. (under review).

Valencia Lopez, E. The effect of the 1993 Reform on Attitudes towards Ethno-racial minorities. (revise and resubmit).

Valencia, Lopez, E. Historical Depictions of Indigenous and Afrodescendientes in Mexican Textbooks using NLP and Facial Recognition. (in preparation).

Valencia, Lopez, E., Whitebook, M., Copeman, A. A Bizarro World for Toddlers: An Update (in preparation).

Valencia Lopez, E. Ethnic Mobility In Mexico. (Revise and Resubmit)

RESEARCH EXPERIENCE

Steindhart School of Education, New York University, Remote
Researcher   *October 2023-August 2024*
Graduate Student Researcher collaborating in the Teacher Instructional Practices and Processes System (TIPPS) under Prof. Edward Seidman's supervision. I developed a science assessment for an intervention in Honduras funded by the European Research Council (ERC). I used IRT to examine its psychometric properties across three waves of data collection (DIF, TIC, ICC). I improved the design of the assessment following the four building blocks of assessment design, created a bank of items, and analyzed textbook content to ensure the assessment was properly aligned.

Center for the Study of Child Care Employment, University of California, Berkeley.
Graduate Research Assistant to Dr. Marisa Schlieber   *March 2020-May 2024*
I have participated in several research projects aimed at characterising the early childhood education (ECE) workforce in the United States and Australia. I have developed statistical models such as fixed effects regression, ANOVA, t-tests, Confirmatory Factor Analysis, Item Response Thery (IRT) Analysis, Latent Profile Analysis, and Multilevel Modelling. I contributed to two peer-reviewed papers and three reports.

DLab, University of California, Berkeley.
Research Assistant to Prof. David Harding and D-lab instructor   *July 2022-Summer 2023*
Longitudinal analysis of administrative data. I drafted a paper on the effect of transitioning from in-person to online instruction during the pandemic using a difference-in-differences (DiD) design. I also taught courses on Python, R and Stata.

The JC Consulting Group.
Researcher and Evaluator with Prof. Jade Caines Lee   *Summer 2022-Summer 2023*
I support the evaluation of two federally funded RCT and Quasi-experimental design projects: SLATE, conducted in New Hampshire, and PACE, in Kentucky. Main tasks include: identifying relevant data to conduct the impact evaluation, propose fidelity measures of the intervention and identify measurable outputs and outcomes of the intervention. Both SLATE and PACE focus on improving student achievement and attitutudes towards STEM for English Language Learners (ELL) in K-12 education.

School of Public Health, University of California, Berkeley.

Graduate Research Assistant to Prof. Stefano Bertozzi *September 2019-Summer 2022*

Review of the literature, assisted in peer-review of quantitative articles related to public health and education, conducted preliminary statistical analyses (linear regression, propensity score matching and sampling design).

The Graduate School of Education, University of California, Berkeley

Graduate Research Assistant to Prof. Erin Murphy-Graham *2019-2020*

Conducted research in Honduras and contributed to two peer-reviewed papers. Among my contributions, I developed and analyzed science and math assessments for an intervention in upper secondary schools in Honduras; analyzed longitudinal data of educational trajectories of 1,000 students spanning six years; conducted statistical analysis of the data (EFA and Multilevel Modelling), and proposed research topics. One of these topics eventually became a peer-reviewed publication published in the *Journal of Adolescent Health* with Diana Pacheco (Conectado) and Alison Cohen (UCSF).

United Nations Educational, Scientific, and Cultural Organisation (UNESCO)

Research Fellow *2019-2020*

Research Fellow for the Global Education Monitoring Report. I analysed census, household surveys and international surveys (DHS and MICS) of 12 Latin American countries, including the Colombian census and Venezuela's MICS. Paper published and cited in the 2020 Global Education Monitoring Report. I used advanced statistical methods such as fixed effects logistic regression.

Office of the Vice-chancellor for Undergraduate Education at the University of California, Berkeley)

Assessment Fellow *2018*

Analysis of administrative data of all undergraduate students. I cleaned, analysed, and prepare reports using SAS and Stata for the office of the Vice-chancellor and the Chancellor of the University of California, Berkeley under the supervision of Audrey Thomas and Yukiko Watanabe. This project was part of the Discovery survey to better understand how each academic unit currently defines the "Discovery Learning" that leads to cumulative Discovery Experiences for its undergraduate students. The report is available here

National Institute for Educational Assessment and Evaluation (INEE)

Deputy Director and Program Manager *2014-2017*

Coordinated the design and calculations of socioeconomic indicators to be included in yearly national reports focusing on evaluating the quality of education in Mexico; drafted an analytical framework and a proposal for indicators design to be used by Prospera, Mexico's largest cash transfer program, to evaluate their educational outcomes (M&E framework); co-authored a report with UNICEF staff in Mexico on the educational state of indigenous peoples and Mexicans of African-descent; co-authored INEE's Model for Policy Guidelines Development, one of the first in Latin America aiming to connect evaluations with policy recommendations at the system level; drafted policy reports on indigenous populations and children of migrant farmworkers; analysed and systematised interviews to teachers about the recently created national teaching professional service.

United Nations Development Programme in Beijing, China

Research Assistant *2017*

Research Assistant for UNDP's main economist and UNDP representative in China. Co-authored a report on whether Universal Basic Income (UBI) was a feasible social policy in China. Results from this report include: a pilot study; a follow report in 2020; and additional research for other countries

of the Asia-Pacific Region, such as Indonesia.

SELECTED CONFERENCE PAPERS AND POSTER SESSIONS

- **Valencia Lopez, E.** Effect of co-op specialization on employment outcomes [paper]. Paper presented at the RC28 at the University of California, Los Angeles.

- **Valencia Lopez, E.** Effect of Internships on Employment Outcomes [paper]. Paper presented at the UC-Irvine-U Tübingen research visit. 2025

- Lee J C, **Valencia Lopez, E.**, Cardoza, D. From Eugenics to Standardized Testing: Histories of Educational Assessment [paper] Accepted at the American Educational Research Association Annual Meeting, 2023

- **Valencia López E.** Measurement Invariance of a Professional Learning Community Scale [Poster] Accepted at the American Educational Research Association Annual Meeting, 2022

- **Valencia López E.** (2020, April) Ethnic Mobility in Mexico. Flash Paper [accepted as part of the regular session] to be presented at the Annual Meeting of the Population Association of America.

- **Valencia López E.** (2020, March) Improving and Aligning the measurement of ethnicity in Latin American Survey. Paper [Accepted] to be presented at the Conference of the Comparative International Education Society

TECHNICAL SKILLS

Statististical Anaysis	Stata, SAS, R, Python, QGIS
Software & Tools	MS Office, LaTeX
Languages	Spanish (native), English (fully proficient), French (Advanced)

ACADEMIC HONOURS AND AWARDS

Research Grant (510 USD)	
Center for Race and Gender, UC Berkeley	**2023-2024**
Dissertation Fellowship (75,000 USD)	
Institute for Labor Relations and Employment	**2023-2024**
Data Science Fellow (2,400 USD)	
D-Lab, UC Berkeley	**2022-2023**
Data Science For Social Justice Fellow (2,000 USD)	
D-Lab, UC Berkeley	**Summer 2022**
Center for Measurement Justice Summer Fellowship (8,000 USD)	
Center for Measurement Justice	**2022**
Graduate Student Mentor	
Institute for Labor Relations and Employment	**2021-2022**
Graduate Student Award (5,000 USD)	
Institute for Labor Relations and Employment	**2021**
Zuckerberg & Chen Measurement Fellow	
National Council on Measurement in Education	**2020, 2022**
Summer Grant, CLAS at Berkeley	**2019**
Edgar and Camila Morphet Fellowship Award	**2019**
UNESCO Global Education Monitoring Report Fellow (25,000 USD)	**2019**
UC Berkeley Graduate Division Summer grant	**2018-2019**
UC-CONACYT-MEXUS Fellow	**2017-2022**
UC-GSE Fellowship Award	**2017**
UC-Assessment Fellow	**2017**

SERVICE AND LEADERSHIP

Mentor *University of California, Irvine. UCI-MUST Project*

Peer Reviewer for *Conference for the International Comparative Society Conference, American Association Education Research*

Manager Editor *Berkeley Review of Education*

Peer-Mentor, *Center for Effective Global Action*

Graduate Student Mentor, *Social Science Research Pathways*

Graduate Mentor *Undergraduate Research Apprenticeship at the University of California, Berkeley*

SELECT PROFESSIONAL TRAINING

Other courses [all covered with full funding from sponsors]: The NCES Data Institute: Using Federal Datasets to Support Research on Postsecondary Education, Association for Institutional Research (2025). NTNU and UC Berkeley Sociology Department: Comparative Sociology Seminar (2023); Oxford Poverty & Human Development Initiative: Multidimensional Poverty Measurement and Analysis with Prof. Sabina Alkire and James Foster (2017); Université du Luxembourg: Measurement and Taxing of Wealth with Phillipe Van Kerm (2018). Human Capital and Economic Opportunity Summer School 2021 at the University of Chicago [virtual]. Berkeley Initiative for Transparency in the Social Science 2021 [virtual] at the University of California, Berkeley. Data Science for Social Justice, University of California Berkeley, Summer 2022 [virtual]

PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS

Center for Population, Inequality, and Policy, University of California, Irvine.

Center for Latin American and Caribbean Studies, University of California, Berkeley