**Maria Cristhina Llerena Pinto**

**Econometrics, Data analysis and Economics**

Bonn, Germany

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**Summary**

Researcher and data analyst with 10 years of experience in coordinating research projects, interpreting and analyzing data. Proficient knowledge in statistics, econometrics, modeling, analytics, database types and research methodologies. Strong problem solving and analytical skills obtained while leading several applied research projects. Strong teamwork attributes.

**Skill Highlights**

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| --- | --- |
| * Data and quantitative analysis
* Regression analysis, predictive and econometric modeling
* Program evaluation
* Data Mining
 | * Technical writing
* Effective communication skills
* Teamwork and Leadership
* Strong attention to detail
* Work ethic
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**Education**

PhD at the Center for **Development Research** ZEF, DAAD Germany Scholarship – 2025 (c)

**University of Bonn**, Germany

Master in **Econometrics,** Academic Excellence Scholarship– 2011

**University Torcuato di Tella**, Argentina

Master in **Finance,** Approved with honors– 2019

**University of Chile**, Chile

Bachelor of **Economics and Finance,** Academic Excellence Scholarship&Summa Cum Laude– 2007

**University San Francisco de Quito**, Ecuador

**Academic honors and awards**

**Academic Excellence Scholarship**

USFQ Scholarship, Ecuador - Bachelor of Economics and Finance

SENESCYT Scholarship, Ecuador - Master in Econometrics

DAAD Scholarship, Germany - PhD at the Center for Development Research ZEF

**Honors**

Summa Cum Laude and Dean's Honor Roll and Chancellor's Honor Roll - Bachelor of Economics and Finance

Approved with honors - Master in Finance

**Experience**

**Labor demand Consultant** - jun/2020 to 2021

**World Bank and SENESCYT**, Ecuador

* Estimate and project labor demand in Ecuador (2021-2025)
* Conduct a literature review
* Estimate and analyze the results of forecast econometric models

**Products and External Services Consultant** - nov/2020 to feb/2021

**Inter-American Development Bank- IDB**, Washington, USA and Ecuador

* Analyze the IDB Lab’s Development Effectiveness Approach, including its results framework, the iDelta, and the Corporate Result Framework. Analyze the thematic areas documents
* Conduct a literature review about knowledge, innovation, and scaling
* Conduct a literature review about projects that involve agricultural technology, projects that seek to improve urban well-being, and their main impacts on society (including benefits for poor and vulnerable populations)
* Participate in team meetings and interviews

**Chief Economist - Data Scientist** - 2012 to 2020

**Economica CIC – Quantitative Research Center**, Ecuador

* Lead, coordinate and develop research projects and consultancies for the World Bank WB, Inter-American Development Bank IDB, World Food Program WFP, The UN Refugee Agency UNHCR, Deutsche Gesellschaft Für Internationale Zusammenarbeit GIZ, Ministry of Health, Ministry of Education, among others.
* Develop and estimate robust economic, econometric, and statistical models to support Public policy and decision making
* Conduct investigation projects using qualitative and quantitative methods: economics and public finance, poverty, inequality, education, malnutrition, gender violence, and women empowerment

Program and project design, monitoring, and evaluation (impact evaluation)

Cost-benefit analysis

 Econometric models

* Design surveys, data collection tools, and data collection
* Conduct data mining, data modeling, statistical and microeconometric analysis (trends, correlations, or causal effects)
* Development of methodologies
* Interpret and analyze data to identify key metrics and transform raw data into meaningful information
* Visualize results
* Public Policy recommendations and designs
* Proficiency with Microsoft Office and statistical software packages like STATA and SPSS
* Interactions with internal and external clients, the media and policy makers
* Document findings and prepare reports and documents to policy makers
* Research Associate. CEQ Institute. https://commitmentoequity.org/our-team/

**General Coordinator** - 2018

**National Institute of Educational Evaluation**, Ecuador

* Supervise the educational evaluation processes
* Lead the largest educational evaluation process in Ecuador “Ser Bachiller”, reaching the best efficiency indicators
* Define lines of educational research for the Institute
* Analyze educational data to support institute goals
* Define public policy

**Financial Advisor** - 2012

**Ministry of Coordination of Economic Policy**, Ecuador

* Lead and develop robust financial models
* Conduct data mining, data modeling, statistical and financial analysis
* Evaluate lines of credit and public banking products
* Definition of public finance guides
* Model and forecast trends of banking indicators

**Research Assistant** – 2010 to 2011

**University Torcuato di Tela,** Argentina

* Conduct comprehensive literature reviews
* Assist in the creation of scientific publications and technical reports by providing research support for senior staff
* Perform statistical, financial and econometric analyses using Excel, R, or Stata
* Research assistant for the study *“Globally Distributed Production and the Pricing of CME Commodity Futures”*

**Research Specialist** – 2009

**Center for tobacco Research,** Uruguay

* Descriptive and multivariate analysis of data
* Perform statistical and econometric analyses using Stata
* Lead the investigation project “Economic Research of tobacco”

**Academic &Teaching Experience**

**Tenured Assistant Professor and Head of the statistics and econometric department**- 2016 to 2021 (part time)

**University Central of Ecuador**, Ecuador

Taught a total of 12 undergraduate courses, mainly focused on basic and intermediate econometrics. Have been Second Reader several times.

Econometrics 1 and Econometrics 2

**Assistant Professor** - 2012 to 2021 (part time)

**Catholic University of Ecuador**, Ecuador

Taught a total of 20 undergraduate courses, mainly focused on advance econometrics. Supervised 13 BA theses. Have been Second Reader 14 times.

Econometrics 1, Econometrics 3, Impact Evaluation, Panel Data

**Visiting Assistant Professor** - 2019

**Technical University of Ambato**, Ecuador

Taught a total of 1 postgraduate course, mainly focused on quantitative analysis and Research Methods

Research Methods

**Visiting Assistant Professor** - 2012 to 2017

**University of Piura**, Peru

Taught a total of 11 undergraduate courses mainly focused on basic, intermediate and advance econometrics.

Principles of Econometrics, Micro econometrics, Forecast

**Visiting Assistant Professor** - 2015

**Polytechnic School of Chimborazo**, Ecuador

Taught a total of 3 postgraduate courses, mainly focused on advance econometrics.

Advance Econometrics

**Seminars & Workshops**

IMPAQTO Lab Tech, 2019

**Speaker.** Workshop: Social Impact Models for entrepreneurs. IMPAQTO Lab Tech pre-acceleration program, sponsored by Google Latin America

International Seminar “Policies for reduced deforestation and their impact”, 2019

**Speaker.** Impact evaluation of social programs and their relationship with the reduction of forests in Ecuador

Week of the evidence -Evalyouth Ecuador, 2019

**Speaker.** How to apply to evaluation consultants

Open data Network, 2019

**Speaker.** Open data workshop

Educational evaluation, Perú 2018

**Speaker.** Educational evaluation, experience in Ecuador.

Economist Week, Catholic University of Ecuador, 2018

**Speaker.** Impact Evaluation in social programs, in Ecuador

Commitment to Equity-CEQ – Tulane University, United States

**Speaker Workshop.** Fiscal policy and income redistribution in Latin America

**Certifications**

Cursera – online, USA *(c)*

**IBM Data Science Professional Certificate**

EdX - online, Ecuador

**Introduction to Big Data**

Center for Distributive, Labor and Social Studies CEDLAS, Argentina

**Intermediate course of Impact Evaluation**

Development Bank – IDB, Ecuador

**Formulation, evaluation, follow-up and monitoring of projects, Ecuador Inter-American**

**Publications**

Social Spending, Taxes and Income Redistribution In Ecuador, Commitment to equity, Tulane University –United States. CEQ Working Paper No. 28. https://commitmentoequity.org/publications\_files/Ecuador/CEQWPNo28%20SocSpendTaxIncomeRedistEcuador%20Feb%202015.pdf

Globally Distributed Production and the Pricing of CME Commodity Futures. The Journal of Futures Markets, vol 35 (1), pp 1-30, January 2015. Research Assistant. http://papers.ssrn.com/sol3/papers.cfm?abstract\_id=1958656

Impact Evaluation “My First Job (government internships)” in Ecuador, National System of Information http://sni.gob.ec/evaluaciones

Social protection: Health insurance, health services and poverty, Journal of Scientific Analysis of Economics and Business "Foro Economía Ecuador". http://foroeconomiaecuador.com/fee/un-poco-de-proteccion-social-segurosde-salud-servicios-de-salud-y-pobreza/