

## Diego Escobar

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**Economics | Statistical Analysis | Data Science**

[LinkedIn](#) • [GitHub](#) • [Research](#)

Economist specializing in quantitative analysis and econometrics, with expertise in applying data-driven insights to solve complex regulatory and financial analysis. Proven track record in conducting high-stakes cost-benefit analyses, financial valuations, and leveraging advanced statistical and machine learning methods to inform strategic decision-making. Experienced in collaborating with cross-functional teams, including legal and policy experts, to deliver actionable insights in economic consulting projects.

### Professional Experience

#### Economist - Eastern Research Group (ERG)

Oct 2023 - Present

- **Led a consulting engagement for a state agency**, developing a statistical performance model that automates future data analysis and adjusts metrics based on participants' characteristics.
- **Managed tasks related to financial/economic valuations and cost-benefit analyses** for projects totaling over \$20 billion, delivering insights that influenced decisions impacting 100+ million people.
- **Presented findings and insights to clients regularly**, leading meetings with up 10+ government officials to explain economic forecasts and cost components for ongoing policy/legal initiatives.
- **Collaborated extensively with legal experts, policymakers, and engineers** to ensure that economic analyses were robust and defensible, contributing to high-profile regulatory and legal decisions.
- **Developed predictive machine learning models (NN/RF/DT/SVM)** to optimize resource allocation and regulatory decision-making by integrating new data sources.

#### Doctoral Researcher - The University of Chicago

Sep 2017 – Jun 2023

- **Specialized in economic modeling, econometrics, and predictive modeling (ML/AI)**, applying causal inference methods to analyze market dynamics, with experience in labor, education, and other sectors.
- **Applied econometric models to estimate causal effects**, including separating supply and demand factors in educational markets, uncovering critical insights into market behavior and decision-making.
- **Utilized machine learning techniques to merge and manage large datasets**, streamlining analysis for projects involving 500GB+ of data from diverse sources.
- **Published research in leading economics journals** (Journal of Labor Economics, Journal of Economic Dynamics and Control), contributing to academic and policy discussions.

#### Research Associate - J-PAL Poverty Action Lab

Aug 2015 – June 2017

- **Applied econometric models to improve program performance** alongside international NGOs and government offices, delivering high-impact economic recommendations based on empirical evidence.
- **Designed and implemented randomized controlled trials (RCTs) and A/B tests.**

#### Research Assistant - PUC Chile Economics Dept.

Aug 2014 – Jul 2015

- **Conducted economic research** on economic policies, using data tools like MATLAB, ArcGIS, and Stata.

### Education

**Ph.D. in Public Policy**, The University of Chicago. Specialization in Econometrics (Statistics).

**Jun 2023**

**M.Sc. in Computational Analysis and Public Policy**, The University of Chicago. Full scholarship.

**Jun 2020**

**M.A. in Economics** (Specialization in Financial Economics), Pontifical Catholic University of Chile.

**Jun 2014**

**B.A. in Economics**, Pontifical Catholic University of Chile (Ranked #1 Latin America by [Times/QS](#)).

**Dec 2013**

### Technical Skills

- **Software: Advanced:** Python, R, SQL, MATLAB, Stata, Excel. **Intermediate:** JAVA, Tableau, VBA.
- **Languages:** English (fluent), Spanish (fluent), Portuguese (intermediate), French (basic).