Ruben Horacio Rueda

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Summary

Ph.D. candidate in Economics at the University of Houston, specializing in macroeconomics, empirical industrial and labor. Proficient in Julia, Matlab, Python and Stata, with strong skills in causal inference, structural estimation and applied microeconomics. Experienced in designing and implementing conjoint experiments.

Education

University of Houston, Ph.D. candidate in Economics	May 2026 (expected)
Universidad de la Republica (Uruguay) ,MSc in Economics.	2018
Universidad de la Republica (Uruguay), BA in Economics.	2014

Fellowships and Awards

Dr. Walter J. Primeaux Jr and Natalie A. Primeaux Scholarship	September 2024

The department's highest honor bestowed on a graduate student entering fourth year.

Selected projects

Minimum Wages and Firms' Labor Market Power. Job Market Paper.

- Processed administrative data with 120M+ observations.
- Numerically computed a general equilibrium model with strategic behavior and non-allocative prices.

Labor Income Responses of Top Income to Tax Changes: Evidence from a Tax Reform in Uruguay. (Revise and resubmit, *Journal of the European Economic Association*). (co-authored)

- Processed and cleaned administrative tax data with more than 10M observations.
- Conducted regression analysis using Difference-in-differences and Instrumental Variable approaches.

Gender Wage Gap in Brazil. (co-authored)

- Managed to clean administrative data with 2.3B+ observations using HPC.
- Computed fixed effects models to isolate firm from workers effects in wage composition.

Experience

University of Houston: Houston, TX.	September 2022 – Present

Research Assistant at the Hobby School of Public Affairs.

- Collaborated in the design and put in production of the SPACE (Survey on Public Attitudes and Community Engagement) panel.
- Designed a conjoint experiment to assess behavioral responses to climate change shocks.

Universidad de la República: Montevideo, Uruguay.	August 2017 – January 2020

Research Assistant and Teaching Assistant for applied econometrics.

- Taught causal inference methods (RCT, Diff-in-diffs, IV and synthetic control) in the MSc in Economics.
- Cleaned and harmonized over 30 years of household survey.

Skills and training

Languages: Python, Stata, Julia, Matlab, ArcGIS, SQL.

Reduced-form econometrics: Panel Data, Causal Inference, Diff-in-diffs, IV, Synthetic Control.

Structural econometrics: Dynamic Discrete Choice Programming, Production Function and Demand Estimation, Firm Dynamics.