Jonathon Carrasco

jacarrasco@uh.edu | 713.301.2050 | joncarrasco.com

EDUCATION

UNIVERSITY OF HOUSTON

MA in Economics
May 2016 | Houston, TX

MS in Finance
December 2013 | Houston, TX

RICE UNIVERSITY

BA in Mathematical Economic Analysis, with Honors
May 2006 | Houston, TX

LINKS

LinkedIn:// JonathonCarrasco
Twitter:// @jonshine

COURSEWORK

ECONOMICS

Applied Econometrics
DSGE Models
Urban Economics
Monetary Policy
International Monetary Economics
Macroeconomic Modeling & Forecasting

FINANCE

Options & Futures
Fixed Income Securities
Continuous Time Finance
Financial Management
Financial Econometrics
International Finance & Macroeconomics

SKILLS

PROGRAMMING

Proficient
Matlab • Stata • ArcGIS • LaTeX • Excel Macros and Pivot Tables
Familiar
R • Python • SQL • HTML & CSS

STATISTICAL EXPERTISE

Linear Regressions • Maximum Likelihood Estimation • Logit & Probit Models • ARIMA Models with Trend • GARCH Models • Bayesian Analysis • Unit Root Testing • Markov Chain Monte Carlo Simulation • Identification of Structural Breaks • Regression Discontinuities • Spectral Analysis • Jackknife and Bootstrap Resampling • Sample Size & Power Calculations

PROFESSIONAL EXPERIENCE

LONE STAR COLLEGE | Adjunct Professor

January 2014 – Present | Houston, TX
Hired to teach three hour introductory Microeconomic and Macroeconomic classes in both a face-to-face and online setting. Responsible for developing a course syllabus, writing assignments and tests, and maintaining an online classroom complete with discussion boards and weekly modules to supplement coursework. Courses taught are credit bearing and the college is regionally accredited.

UNIVERSITY OF HOUSTON | Research Assistant

August 2008 – May 2013 | Houston, TX
Extensive experience in data collection, management, and econometric analysis for academic research and publication. Also responsible for teaching and grading undergraduate and MBA graduate courses at the University of Houston.

THE METHODIST HOSPITAL | Research Fellow

May 2005 – August 2008 | Houston, TX
Fellowship to study how patients make medical decisions under severe uncertainty. Developed mathematical models to use biometric data and help patients discover their personal normals and provide feedback to manage chronic disease. Published a peer reviewed article on uncertainty in medicine and presented research at conferences in the US and abroad. Produced In Context a biweekly podcast with Dr. Clifford Dacso on current medical news.

RICE UNIVERSITY | Grader, Linear Algebra

August 2005 – December 2005 | Houston, TX
Graded Linear Algebra assignments and provided feedback on the performance of students through the semester. Required advanced knowledge of matrix manipulation, vector spaces, and linear programming.

ASHOKA: INNOVATORS FOR THE PUBLIC | Summer Associate

June 2004 – July 2004 | Washington, DC
An introduction to the non-profit world with hands on experience in development including web updates and database management. Constructed queries, reports, and exports for further analysis. Participated in projects in coordination with the Brazilian, Mexican, and French offices.

RESEARCH PROJECTS

A HEDONIC MODEL OF HOME PRICES IN HOUSTON

Used Harris County Appraisal District Data along with demographic and neighborhood characteristics to build models of single family home prices in Houston, TX.

DROUGHT AND THE INFLUENCE OF WATER WELLS ON CROP SELECTION

Used USDA satellite data and drought maps to analyze how access to deeper water wells can influence crop selection in drought years.

REVISED EXPECTATIONS AND AGRICULTURAL FUTURES PRICES

Took USDA forecasts of crop yields to study how updated expectations are incorporated into agricultural futures prices.

AWARDS

2009 Clay & Lucy Carter Teaching Excellence Award
2008 Dyer Fellowship for Improving Patient Care through Research