Jonathon Carrasco

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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. 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
2006	Philpott Award for Service to Baker College and Rice University