Jeffrey A. Levy

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SUMMARY

- PhD candidate in economics
- Experience teaching undergraduate economics
- Extensive experience with research in think tank environments
- Writing dissertation on empirical macro and economic uncertainty, expected completion in late 2018
- Skilled programmer with particular expertise in Python
- Has done statistical work in many platforms, including Stata and SAS

EDUCATION

AMERICAN UNIVERSITY
PhD in Economics
Expected 2018 | Washington, DC
MA in Economics
August 2014 | Washington, DC

MICHIGAN STATE UNIVERSITY
BA in Economics
BA in Political Science
August 2010 | East Lansing, MI

PHD COURSEWORK

Econometrics I & II
Time Series Econometrics
Micro I, II & Political Economy
Macro I & Political Economy
Computational Macro
Economic History
Monetary Economics
Economics of Trade
International Finance
Development Micro & Macro

TECHNICAL SKILLS

Python:
Pandas • PySpark • Regression Analysis
Web Scraping • Agent Based Modeling
Machine Learning • Big Data • NLP
Multiprocessing • RegEx
Other:
Stata • SAS • EViews • NetLogo • R
Spark • LaTeX • GitHub • Subversion
Mathematica • Amazon Web Services

EXPERIENCE

URBAN INSTITUTE | Data Scientist
June 2016 - current | Washington, DC (remote)
- Part of a small team working on research using Python, Stata, R and SAS
- Responsible for the design, creation and testing of a year-long project consisting of nearly 5,000 lines of Python code
- Creating and running multi-week courses on using Python in research
- Performing big data analysis using Apache Spark

AMERICAN UNIVERSITY | Adjunct Faculty
September 2016 - December 2016 | Washington, DC
- Responsible for designing and teaching an introductory microeconomics course to 35 undergraduate students

AMERICAN UNIVERSITY | Graduate Assistant
September 2012 - May 2016 | Washington, DC
- Taught small sections of larger lectures of undergraduate micro and macro

THE BROOKINGS INSTITUTION | Research Intern
September 2013 - December 2013 | Washington, DC
- Worked with the Metropolitan Policy Program studying foreign direct investment in cities
- Used Stata, Python and Excel to explore and clean large datasets

RESEARCH

ESSAYS ON UNCERTAINTY AND MACROECONOMIC DYNAMICS
Winter 2018 | American University
My dissertation uses a database of thousands of small regional news sources to assemble state- and MSA-level economic uncertainty measures. I use Python to retrieve and clean the data, and then perform analysis using two-stage least squared, vector auto regression and dynamic panel data frameworks in order to better understand both the determinants and effects of exogenous changes in economic uncertainty. I presented a portion at the Southern Economic Association annual conference, Washington, DC, November 20, 2016.

CONTRACT ENFORCEMENT AND GROUP FORMATION
Fall 2013 | American University
Created an agent based model in Python of a contract enforcement problem based on the game theory work of Greif (2006). Presented at the Center for Advanced Modeling Graduate Workshop at Johns Hopkins University, Baltimore, MD, July 10, 2014.

RESEARCH ASSISTANT
Summer 2013, 2014 | American University
Cleaned and reorganized a 2 million+ observation dataset from the 1980s filled with encoding errors, and automated mass data collection off the web. Both projects done entirely in Python.

IMPACT OF HIGH RISK POOLS ON EMERGENCY CARE
Spring 2010 | Michigan State University
First place in the category *History, Political Science & Economics* at the University Undergraduate Research and Arts Forum for original research studying state-run high risk health plans and their effects on emergency care.