

# JOSEPH LECATES

(770) 778 – 1006 ▪ jlecat@ Gmail.com ▪ www.josephlecat@.com  
www.linkedin.com/in/josephlecat@

---

## ECONOMIC AND STATISTICAL ANALYSIS

Thoughtful economist with strong statistical training and experience who adapts analytical and research methods to complex problems, tailors output to match project needs for internal and external clients, and provides rigorous oversight to ensure accuracy and consistency. Enthusiastic to understand and model business and consumer behavior, and develop new insights using data analytics and visualization. Works well collaboratively and independently to meet project goals and timelines. Core competencies include:

- Economic Modeling
  - Statistical Analysis
  - Developing New Statistical Methods
  - Survey Design and Analysis
  - Large and Small Data Analysis
  - Project Management
  - Academic and Industry Research
  - Client Relations
- 

## EDUCATION

- Ph.D., Economics, Cornell University, Ithaca, NY** May 2012  
Dissertation: “Econometric Analyses of Health Care Markets”  
Committee: Donald Kenkel, Claudio Lucarelli, Sean Nicholson
- M.A., Economics, University of Georgia, Athens, GA** May 2006  
Committee: Christopher Cornwell, Angela Fertig, David Mustard
- A.B., Economics, University of Georgia, Athens, GA** May 2006  
*Summa cum laude*, First Honor Graduate
- 

## PROFESSIONAL EXPERIENCE

**U.S. CONGRESS, JOINT COMMITTEE ON TAXATION, Washington, DC** March 2015 to Present

### Economist

- Prepares official, nonpartisan revenue estimates of tax legislation considered by Congress.

**ANALYSIS GROUP, Boston, MA**

August 2012 to January 2015

### Associate

- Designed and conducted statistical analyses of both large and small scale consumer survey data, health care claims, sales data, administrative records, and published literature to support client needs across a variety of industries: consumer package goods, durable goods, mobile technology, telecommunications, automotive, health care delivery, medical devices, and pharmaceuticals. Applied and adapted statistical methods in light of the data generating process, data availability, and causal inference.
- Drafted and reviewed surveys which addressed many aspects of the consumer experience, including information gathering; initial product adoption; repeat purchase decisions; consumer preferences and valuation of product features; response to changes in price, features, and availability; and determinants of satisfaction and dissatisfaction. Matched survey design and analysis to client needs by balancing the breadth and intensity of the survey with budget, timeline, and risk. Deliverables included analytical support for pricing decisions, a long-term strategy for survey research, generating scientific evidence for litigation, and publishing manuscripts for regulatory review.
- Developed economic models in collaboration with academic experts and senior consultants to understand results of statistical analyses. Conducted systematic reviews of academic and industry literature to guide analytical decisions and model assumptions. Creatively summarized data to support or refute hypotheses and discover new insights. Drafted and delivered reports, manuscripts, and presentations of economic findings internally to case teams as well as externally to clients, in peer-reviewed publications, and at professional conferences.
- Led teams of analysts to quickly and accurately return client-ready results for managerial review. Audited analysts’ statistical codes and evaluated intermediate results with focus on logical consistency, interpretation, and relationship to overall project. Automated delivery of statistical results using software tools to increase precision while still allowing for flexibility. Managed work flow to stay within project scope and timelines.
- Drafted project proposals for new potential clients and to expand the scope of existing projects.

**CORNELL UNIVERSITY, Ithaca, NY**

August 2006 to May 2012

### Research and Teaching Assistant

- Research Assistant to Sean Nicholson and Claudio Lucarelli investigating prescription patterns and trends in chemotherapy use for colorectal, breast, and non-small cell lung cancer. Identified, applied for, administered, and analyzed linked Medicare health

care claims and National Cancer Institute cancer registry data. Generated cost effectiveness measures and drafted results for publication.

- Teaching and Research Assistant to Donald Kenkel for the course “Economics of Public Health” and for National Institutes of Health-funded research into the determinants of smoking cessation. Developed course materials, led review sections, and held open office hours. Reviewed academic literature and compiled database of minimum schooling requirements used as instruments in econometric research of health behaviors and outcomes.
- University Tutor in the Office of State Programs teaching supplemental curriculum to underrepresented students for the courses “Introduction to Statistics” and “Multiple Regression Analysis.” Developed material and tracked student progress.

---

## RESEARCH PAPERS

“Accounting for Inaccuracies in Retrospective Data: A Monte Carlo Study of Smoking Cessation,” with Donald Kenkel and Feng Liu.	November 2014
“Identification and Comparison of Patients with Hemophilia A Receiving Prophylactic versus On-Demand Factor VIII Treatment Regimens Using Health Care Claims Data,” with Jennifer Pocoski, Abhijit Gadkari, Mei Sheng Duh, and Francis Vekeman. (Under Review, <i>Blood Coagulation and Fibrinolysis</i> )	October 2014
“Positive Subjective Measures in Abuse Liability Studies and Real-World Non-Medical Use: Potential Impact of Abuse Deterrent Opioids on Rates of Non-Medical Use and Associated Health Care Costs,” with Alan G. White, Howard G. Birnbaum, Wendy Cheng, Carl L. Roland, and Jack Mardekian. (Accepted, <i>Journal of Opioid Management</i> )	September 2014
“Perception Spillovers Between Bundled Goods: A Model of Physician Learning from Chemotherapy Choice.”	February 2014

---

## FELLOWSHIPS AND AWARDS

Cornell University Provost’s Fellowship	August 2011
Certificate for Graduate Teaching Assistant Excellent	May 2011
Cornell University College of Human Ecology Research Fellowship	August 2008
Terry College of Business Student of the Year	May 2006
<i>Phi Beta Kappa</i>	March 2006
University of Georgia Honors Program Foundation Fellowship	March 2004

---

## PROFESSIONAL AFFILIATIONS

- American Economic Association
- American Society of Health Economists
- American Marketing Association
- International Health Economics Association

---

## PRESENTATIONS

American Academy of Pain Medicine Annual Meeting: 2014  
American Society of Health Economists Biennial Conference: 2008\*, 2010  
Annual Health Econometrics Workshop: 2011\*, 2012  
National Hemophilia Foundation Annual Meeting: 2013\*  
World Federation of Hemophilia Congress: 2012\*  
(\* Indicates that coauthored work was presented by coauthor.)

---

## REFeree SERVICE

- *Health Economics*
- *Economics and Human Biology*
- *Journal of Nervous and Mental Disease*

---

## TECHNICAL SKILLS

- Advanced user of SAS, Stata, SQL, LaTeX, and Microsoft Office Suite. Hands-on familiarity with MATLAB, R, Python, and VBA.
- Theoretical and practical knowledge of random and nonrandom sampling schemes; parametric and nonparametric statistical tests; power calculations; linear, nonlinear, and limited dependent variable regression; multivariate models; propensity score and matched-sample analyses; conjoint analysis; demand estimation and simulation; hazard and duration analysis; cost and comparative effectiveness analysis.
- Proficient in Spanish.