

# Gary Joseph Cornwall

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## Positions

**Bureau of Economic Analysis (Dept. of Commerce)**  
Research Economist 2017 - Present

**George Washington University**  
Adjunct Professor of Economics 2020 - Present

## Education

**University of Cincinnati - Lindner College of Business**  
Ph.D., Economics 2017  
M.A., Applied Economics 2012  
B.A., Economics 2010

## Peer Reviewed Publications

1. Strawn, Jeffrey R., Eric T. Dobson, Jeffrey A. Mills, Gary J. Cornwall, Dara Sakolsky, Boris Birmaher, Scott N. Compton et al. "Placebo response in pediatric anxiety disorders: Results from the child/adolescent anxiety multimodal study." *Journal of Child and Adolescent Psychopharmacology* 27, no. 6 (2017): 501-508.
2. Cornwall, Gary J., and Olivier Parent. "Embracing heterogeneity: the spatial autoregressive mixture model." *Regional Science and Urban Economics* 64 (2017): 148-161.
3. Strawn, Jeffrey R., Jeffrey A. Mills, Gary J. Cornwall, Sarah A. Mossman, Sara T. Varney, Brooks R. Keeshin, and Paul E. Croarkin. "Buspirone in children and adolescents with anxiety: a review and Bayesian analysis of abandoned randomized controlled trials." *Journal of child and adolescent psychopharmacology* 28, no. 1 (2018): 2-9.
4. Cornwall Gary J., Jeffrey A. Mills, Beau Sauley, and Huibin Weng. "Predictive Testing for Granger Causality via Posterior Simulation and Cross Validation." *Topics in Identification, Limited Dependent Variables, Partial Observability, Experimentation, and Flexible Modeling: Part A (Advances in Econometrics)* 40 (2019): 275-292.
5. Cornwall Gary J., Sauley Beau. "Indirect Effects and Causal Inference: Reconsidering Regression Discontinuity." *Journal of Spatial Econometrics* (Forthcoming)

## Text Book Contributions

1. Cornwall Gary, Changjoo Kim, and Olivier Parent. "At the Frontier Between Local and Global Interactions in Regional Sciences." *Regional Research Frontiers-Vol. 2*, pp. 141-149. Springer, 2017.
2. Chen Jeff, Edward Rubin, Gary Cornwall. "Data Science for Public Policy" *Publication Forthcoming*

## Working Papers & Projects Under Development

- "Improving the Analysis of Randomized Controlled Trials: A Posterior Simulation Approach"  
(with Jeff Mills, Beau Sauley, and Jeff Strawn)
- "The Dark Side of the Moon: Searching for the Other Half of Seasonality"  
(with Jeff Chen)
- "Roots from Trees: A Machine Learning Approach to Unit Root Detection"  
(with Jeff Chen & Beau Sauley) – *Under Review*
- "Where do I fit in? Examining Employee Membership Profiles"  
(with Suzanne Masterson & Jaclyn Perrmann-Graham)
- "It's the Smell: How Resolving Uncertainty about Local Disamenities Affects the Housing Market"  
(with Jeff Chen & Scott Wentland)
- "For What It's Worth: Measuring Land Value in the Era of Big Data"  
(with Scott Wentland and Jeremy Moulton)

## Invited Talks

- 2021 “**Standing on the Shoulders of Machine Learning: Can We Improve Hypothesis Testing?**”  
*University of Auckland*
- 2020 “**Standing on the Shoulders of Machine Learning: Can We Improve Hypothesis Testing?**”  
*Columbia University*
- 2020 “**The Dark Side of the Moon: Searching for the Other Half of Seasonality**”  
*University at Albany*
- 2020 “**The Dark Side of the Moon: Searching for the Other Half of Seasonality**”  
*George Washington University*

## Conference Presentations

- 2019 “**The Dark Side of the Moon: Searching for the Other Half of Seasonality**”  
*Midwest Econometrics Group*
- 2019 “**Indirect Effects and Causal Inference: Reconsidering Regression Discontinuity**”  
*Spatial Econometric Society and North American Regional Sciences joint conference*
- 2019 “**Indirect Effects and Causal Inference: Reconsidering Regression Discontinuity**”  
*Southern Regional Sciences Association*
- 2018 “**Regression Discontinuity with Cross-Sectional Dependence**”  
*Southern Economic Association 88<sup>th</sup> Annual Meetings*
- 2017 “**Where do I fit in? Examining Employee Membership Profiles**”  
*Society for Industrial and Organizational Psychology*
- 2017 “**Bayesian Predictive Inference for Granger Causality**”  
*Midwest Economics Association*
- 2017 “**Spatial Durbin Mixture Models**”  
*Southern Regional Sciences Association*
- 2016 “**Placebo Response in Pediatric Anxiety Disorders**”  
*AACAP Annual Meeting*
- 2016 “**Spatial Durbin Mixture Models**”  
*Midwest Econometrics Group*
- 2016 “**Bayesian Predictive Inference for Granger Causality**”  
*Midwest Econometrics Group*
- 2016 “**Mixture Distributions with Spatial Dependency**”  
*Southern Regional Sciences Association*
- 2015 “**Mixture Distributions with Spatial Dependency**”  
*Midwest Econometrics Group*
- 2015 “**The Econometrics of Learning by Doing**”  
*Midwest Economics Association*
- 2014 “**The Econometrics of Learning by Doing**”  
*Midwest Econometrics Group*

## Teaching Experience

GW	2021-22 Fall	Time Series Econometrics	Graduate
GW	2020-21 Spring	Time Series Econometrics	Graduate
GW	2019-20 Spring	Time Series Econometrics	Graduate
UC	2016-17 Spring	Intermediate Microeconomic Theory	U-Graduate
UC	2016-17 Fall	Intermediate Microeconomic Theory	U-Graduate
UC	2015-16 Spring	Interdisciplinary Research Methods	PhD
UC	2015-16 Spring	Introduction to Microeconomics	U-Graduate

## Professional Services

Reviewer -	Economics Bulletin	2015
Reviewer -	International Journal of the Economics of Business	2015
Reviewer -	Annals of Regional Science	2019
Reviewer -	Management Science	2020
Reviewer -	Oxford Bulletin of Economics and Statistics	2020
Reviewer -	Journal of Productivity Analysis	2021
Reviewer -	Review of Regional Studies	2021
Reviewer -	Studies in Nonlinear Dynamics & Econometrics	2021

## **Professional and Academic Affiliations**

American Economic Association                      Midwest Economic Association  
National Association for Business Economics    Midwest Econometrics Group  
Southern Regional Sciences Association

## **Awards and Recognition**

**Department of Commerce Bronze Medal Award: 2020, 2019**

**Dean's List of Teaching Excellence: 2017, 2016, 2015**

**PACEsetter Award: 2016**

The Lindner College of Business focuses on the continual development of each individual student's Professionalism, Academics, Character and Engagement (PACE) to ensure that students become the professionals employers want to hire and the leaders others want to follow. This award is given to Lindner alumni who exemplify the ideals of PACE in both their personal and professional lives.

**Charles Phelps Taft Dissertation Fellowship: 2015-16 Academic Year**

The Charles Phelps Taft Dissertation Fellowship provides financial support to advanced, outstanding graduate students in support of their doctoral research. Nine full-year fellowships are earmarked for superior graduate students that are relatively close to completion of their Ph.D.

## **Skills**

Computing: R, Matlab, Julia, Latex, MS Office