

# THEALEXA BECKER

Federal Reserve Bank of Kansas City  
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## Education

**Smith College**, Northampton, MA May 2013  
Bachelor of Arts in Mathematics, Economics

## Experience

**Data Scientist** January 2016 – Present  
Federal Reserve Bank of Kansas City  
Kansas City, MO

**Assistant Economist** June 2013 – December 2015  
Federal Reserve Bank of Kansas City  
Kansas City, MO

## Select Publications

*Has Forward Guidance Been Effective?* (with A. Lee Smith). Macro Bulletin. Federal Reserve Bank of Kansas City. September 2015.

*Has Forward Guidance Been Effective?* (with A. Lee Smith). Economic Review. Federal Reserve Bank of Kansas City. 2015 Q3.

*Does Health Care Reform Support Self-Employment?* (with Didem Tüzemen). Macro Bulletin. Federal Reserve Bank of Kansas City. 2014 Q3.

*Does Health Care Reform Support Self-Employment?* (with Didem Tüzemen). Economic Review. Federal Reserve Bank of Kansas City. 2014 Q3.

*Health Care Reform and Self-Employment: Evidence From Massachusetts* (with Didem Tüzemen). Federal Reserve Bank of Kansas City Research Working Paper 14-16. 2014.

*Viruslike dynamics on starlike graphs* (with Alec Greaves-Tunnell, Leo Kontorovich, Steven J. Miller, and Karen Shen), the Journal of Nonlinear Systems and Applications 4 (2013), no. 1, 53-63.

*Benford's Law and Continuous Dependent Random Variables* (with Taylor C. Corcoran, Alec Greaves-Tunnell, Joseph R. Iafrate, Joy Jing, Steven J. Miller, Jaclyn D. Porfilio, Ryan Ronan, Jirapat Samranvedhya, and Frederick W. Strauch). Working Paper.

## Technical Documentation

Contributing Author, Current Population Survey Data Museum Room

Available at: <https://www.kansascityfed.org/research/cadre/dataservices/datamuseum/cps>

Contributing Author, Survey of Income and Program Participation Data Museum Room

Available at: <https://www.kansascityfed.org/research/cadre/dataservices/datamuseum/sipp>

## Select Presentations

*Using Feature Selection to Curate Data Sets.* Survey of Income and Program Participation Workshop. Federal Reserve Bank of Kansas City. May 9-10, 2017. Kansas City, MO.

*Benford's Law and Dependent Random Variables.* Joint Mathematics Meetings (AMA/MAA). January 4-7, 2012. Boston, MA.

*Virus Dynamics in Star Graphs.* 2011 Women in Mathematics in New England. September 24, 2011. Northampton, MA.

*Benford's Law and Dependent Random Variables.* Women in Mathematics in New England. September 24, 2011. Northampton, MA.

## Academic Experience

### **Assistant to the Chair**

Smith College Math Department  
Northampton, MA

September 2012 – May 2013

### **SMALL Undergraduate Research Program**

Williams College  
Williamstown, MA

June 2011 – August 2011

### **Teaching Assistant for “Global Financial Institutions”**

Smith College Economics Department  
Northampton, MA

September 2012 – December 2012

## Other Experience

### **Area Director, District 22**

Toastmasters International  
Kansas City, MO

July 2015- June 2016

### **Intern, Center for Women & Financial Independence**

Smith College  
Northampton, MA

August 2011 – May 2013

**President, Business Women of Smith College**

August 2012 – May 2013

*Founding member in February 2012*

Smith College  
Northampton, MA

**Vice President, Smith College Investment Club**

August 2012 – May 2013

*Member since September 2009*

Smith College  
Northampton, MA

**Intern, Investor Relations**

June 2012 – August 2012

J.P. Morgan Chase & Co.  
New York, NY

**Awards and Honors**

**Distinguished Toastmaster**

2016

Toastmasters International

**Sidney S. Cohen Prize for Outstanding Work in the Field of Economics**

2013

Smith College

**Larry C. Selgelid Memorial Prize**

2013

Smith College

**Phi Beta Kappa**

2012

**STRIDE Scholar**

2009-2013

Smith College