

# LucyD'Agostino McGowan

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## contact

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## website

www.lucymcgowan.com

## twitter

LucyStats

## github

LucyMcGowan

## orcid

0000-0001-7297-9359

## languages

proficient Italian literary,  
written, & oral skills

## programming

**dev:** R **use:** R, SAS,  
Stata, Python, ArcGIS

## defining attributes

goal-driven leadership,  
advanced analytic skills,  
strategic thinking,  
resourceful team player,  
sunny disposition 🌞,  
public  
speaking,  
organizational &  
communication skills

## Interests

propensity score analyses, **R** package development, observational study methods, predictive modeling, large-scale inference, R-Ladies, engaging beginners in **R** package development with rOpenSci through **contributr**, disparities research, community-based participatory research

## Education

**PhD** Student in Biostatistics, GPA 3.95

Vanderbilt University

**MS** in Biostatistics, December 2013, GPA 3.88

Washington University School of Medicine

Thesis: *Quantitative Assessment of the Community Research Fellows Training Program*

**BA** with Distinction and Highest Honors

University of North Carolina at Chapel Hill

Religious Studies: GPA 3.92 Romance Languages: GPA 3.86

## Research Experience

March 2017-present **RStudio**, upcoming internship under Jenny Bryan

2016-2017

**Vanderbilt University**, NIH Big Data to Knowledge Training Fellow

2015-2016

**Vanderbilt University**, Research Assistant, Department of Biostatistics and VA Tennessee Valley

Summer 2015

**Cleveland Clinic**, Graduate Fellow, Department of Quantitative Health Sciences

2012-2014

**Washington University School of Medicine**, Statistical Data Analyst promoted from Research Assistant, Department of Surgery, Division of Public Health Sciences

## Awards

2016	First Place, GSS Student Data Challenge, ASA Joint Statistical Meeting
2016	Second Place, SPAAC Poster Competition, ASA Joint Statistical Meeting
2016	Southern Startup Internship Program in Data Science (South BDHub)
2015	First Place, GSS Student Data Challenge, ASA Joint Statistical Meeting
2013	Best Contributed Paper in the Statistics and Data Analysis SAS Global Forum
2013	First Place, Student Research Competition, 141st APHA Annual Meeting
2013	Ellis R. Ott Scholarship: ASQ Statistics Division
2012	Gertrude M. Cox Scholarship for Women in Statistics Honorable Mention

## Outreach

2016-2017	R-Ladies Nashville, co-founder
2016-2017	Vanderbilt Graduate Student Council, President
2016-2017	Vanderbilt Biostatistics Graduate Student Association, Vice President
2016-2017	Nashville ASA Student Chapter, Vice President
2015-2017	Tennessee Office of Refugees, Tutor
2015	Scholarship of Teaching and Learning, Scholar
2014-2015	Vanderbilt Graduate Student Council, VP of Social Affairs

## Select Invited Presentations

### SAS Global Forum 2016

Oral Presentation

**Lucy D'Agostino McGowan**, Robert A. Greevy, Jr “Integrating SAS and R to Perform Optimal Propensity Score Matching.”

### SAS Global Forum 2015

Oral Presentation

**Lucy D'Agostino McGowan**, Alice Toll “Using PROC SURVEYREG and PROC SURVEYLOGISTIC to Assess Potential Bias.”

## Select Contributed Presentations

### ENAR 2017

Oral Presentation

**Lucy D'Agostino McGowan**, Robert Alan Greevy, Jr, “Simplifying and Contextualizing Sensitivity to Unmeasured Confounding Tipping Point Analyses.”

### ASA Joint Statistical Meeting 2016

Poster

**Lucy D'Agostino McGowan**, Robert A. Greevy, Jr, “Practical Guidance and Tools for Rule-Out Sensitivity to Unmeasured Confounding Analyses.”

## Peer-reviewed Publications

**D'Agostino McGowan, Lucy**, Bullen, J. A., & Obuchowski, N. A. (2016). Location Bias in ROC Studies. *Statistics in Biopharmaceutical Research*, 00–00.

Drake, B. F., Brown, K., **D'Agostino McGowan, Lucy**, Haslag-Minoff, J., & Kaphingst, K. (2016). Secondary consent to biospecimen use in a prostate cancer biorepository. *BMC Research Notes*, 9(1), 346.

Kaphingst, K. A., Stafford, J. D., **D'Agostino McGowan, Lucy**, Seo, J., Lachance, C. R., & Goodman, M. S. (2015). Effects of racial and ethnic group and health literacy on responses to genomic risk information in a medically underserved population. *Health Psychology*, 34(2), 101–110.

Chen, Y.-H., **D'Agostino McGowan, Lucy**, Cimino, P. J., Dahiya, S., Leonard, J. R., Lee, D. Y., & Gutmann, D. H. (2015). Mouse Low-Grade Gliomas Contain Cancer Stem Cells with Unique Molecular and Functional Properties. *Cell Reports*, 10(11), 1899–1912.

**D'Agostino McGowan, Lucy**, Stafford, J. D., Thompson, V. L., Johnson-Javois, B., & Goodman, M. S. (2015). Quantitative Evaluation of the Community Research Fellows Training Program. *Frontiers in Public Health*, 3(1), 11.

Fisher, M. J., Loguidice, M., Gutmann, D. H., Listernick, R., Ferner, R. E., Ullrich, N. J., ... Liu, G. T. (2014). Gender as a disease modifier in neurofibromatosis type 1 optic pathway glioma. *Annals of Neurology*, 75(5), 799–800.

Griffey, R. T., Kennedy, S. K., **D'Agostino McGowan, Lucy**, Goodman, M., & Kaphingst, K. A. (2014). Is low health literacy associated with increased emergency department utilization and recidivism? *Academic Emergency Medicine : Official Journal of the Society for Academic Emergency Medicine*, 21(10), 1109–1115.

Diggs-Andrews, K. A., Brown, J. A., Gianino, S. M., **D'Agostino McGowan, Lucy**, Rubin, J. B., Wozniak, D. F., & Gutmann, D. H. (2014). Reply. *Annals of Neurology*, 75(5), 800–801.

Colditz, G. A., **D'Agostino McGowan, Lucy**, James, A. S., Bohlke, K., & Goodman, M. S. (2014). Screening for colorectal cancer: using data to set prevention priorities. *Cancer Causes & Control : CCC*, 25(1), 93–98.

**D'Agostino McGowan, Lucy**, Gennarelli, R., Lyons, S., & Goodman, M. (2013). Using Small-Area Analysis to Estimate County-Level Racial Disparities in Obesity Demonstrating the Necessity of Targeted Interventions. *International Journal of Environmental Research and Public Health*, 11(1), 418–428.