

# LucyD'Agostino McGowan

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## contact

2525 West End 11000  
Nashville, TN 37203

## 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

## Interests

propensity score analyses, R package development, observational study methods, predictive modeling, large-scale inference, 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

## 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

## Research experience

### RStudio

*Intern under Jenny Bryan*

2017-present

### Vanderbilt University

*NIH Big Data to Knowledge Training Fellow*

2016-present

*Research Assistant, Department of Biostatistics and Veteran Affairs* 2015-2016

**Cleveland Clinic**

*Summer Graduate Fellow, Department of Quantitative Health Sciences* 2015

## Select Invited Presentations

### SAS Global Forum 2016

Oral Presentation

**Lucy D'Agostino McGowan**, Robert A. Greevy, Jr “Integrating SAS<sup>®</sup> 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 Un-measured 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.”

### ASA Joint Statistical Meeting 2015

Oral Presentation and Poster

**Lucy D'Agostino McGowan**, Alice Toll, “Census Tract-Level Disparities: Examining Food Swamps and Food Deserts.”

## 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.