

LucyD'Agostino McGowan

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contact

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website

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LucyStats

github

LucyMcGowan

orcid

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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.