

# TUKEY LACAT

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## EDUCATION

### Schmarvard University

≈ 2018

Ph.D Program in Mathemagic

*Certificate: Tomfoolery (in progress)*

Advisor: John W. Tukey

### Lamebridge University, *summa summa cum laude*

May 2013

B.S. in Unicorns & Butterflies

Honors Thesis: From Data Fabrication to Fact.

## INTERESTS

Differential Epidemiology • Intelligence • Kinship-based Quasi-Experimental Designs • Personality

## AWARDS & HONORS

National Science Foundation Graduate Research Fellowship (\$138,000)	2015 - 2020
Vanderbilt Graduate Honor Fellowship (\$50,000)	2013 - 2018
Peabody & Vanderbilt Travel Grants (\$10,000)	2013 - 2018
Peabody Dean's Fellowship (\$10,000)	2013; 2015
UBC Quinn Exchange Fellowship (C\$3,000)	2015
Tennessee Psychological Association, 3 <sup>rd</sup> Place Undergraduate Poster Competition	2014
ICPSR Jerome M. Clubb Scholarship (\$4,000)	2014
Peabody Dean's Summer Scholarship (\$5,334)	2013; 2014
SMEP Workshop Travel Award (\$1,000)	2014
Robert Hogan Family Foundation Travel Grant (\$1,200)	2013
Hayek Fund for Future Scholars	2013
WUStL Latin Honors	2013
<i>Sigma Xi</i> Science Honors Society	2013

## ADMINISTRATION

Co-Director. Kelly/Connolly Longitudinal Study on Personality and Aging	Dec 2012 - Present
Lab Coordinator. Strube Social Behavior Lab, WUStL	Oct 2012 - Jul 2013

## PUBLICATIONS

1. Jackson, J. J., Connolly, J. J., **Garrison, S. M.**, Leveille, M. M., & Connolly, S. L. (2015). Your friends know how long you will live: A 75-year study of peer-rated personality traits. *Psychological Science*, 26(3), 335-340. [doi:10.1177/0956797614561800](https://doi.org/10.1177/0956797614561800)

## SOFTWARE

1. Beasley, W., Rodgers, J. L., Bard, D., Hunter, M., **Garrison, S. M.**, & Meredith, K. (2015). NlsyLinks: Utilities and kinship information for research with the NLSY R package version 1.404 <http://liveoak.github.io/NlsyLinks>

## PRESENTATIONS

16. **Garrison, S. M.** & Rodgers, J. L. (June 2015). Additive effects of maternal conscientiousness and general ability on infant health. Poster to be presented at the 2015 Association for Research in Personality Conference, St. Louis, Missouri.
15. **Garrison, S. M.** & Rodgers, J. L. (April 2015). Smarter girls *really do* delay sex: An extended discordant siblings model. Talk given at the Quantitative Methods Colloquium, Department of Psychology & Human Development, Vanderbilt University, Nashville, Tennessee.
14. **Garrison, S. M.**, Hadd, A. R., & Rodgers, J. L. (February 2015). Impact of adolescent conscientiousness and intelligence on health at middle age: A sibling comparison approach. Poster presented at the 16th Annual Meeting of the Society for Personality and Social Psychology, Long Beach, California. Also, presented at the 3rd Annual Lifespan Social-Personality Preconference, Long Beach, California.
13. Jackson, J. J., **Garrison, S. M.**, Connolly, J. J., & Leveille, M. (February 2015). Using multiple perspectives to inform the association between personality and important life outcomes. Talk given at the 16th Annual Meeting of the Society for Personality and Social Psychology, Long Beach, California.
12. **Garrison, S. M.**, Connolly, J. J., Leveille, M., & Jackson, J. J. (February 2015). Agreeableness-Stress interactions explored: Within couple differences partially moderate the relationship between stress and divorce. Poster presented at the 3rd Annual Lifespan Social-Personality Preconference, Long Beach, California.
11. Romick, K.,\* **Garrison, S. M.**, & Rodgers, J. L. (November 2014). Early book ownership: Catalyst for future reading enjoyment and achievement. Poster presented at the 2014 Tennessee Psychological Association Annual Convention, Nashville, Tennessee. *Poster awarded 3<sup>rd</sup> place in Undergraduate Poster Competition*
10. **Garrison, S. M.**, Hadd, A. R., & Rodgers, J. L. (October 2014). The downstream health consequences of individual differences: Evidence from a kinship modeling perspective. Poster presented at the 2014 Tennessee Psychological Association Annual Convention, Nashville, Tennessee.
9. Connolly, J. J., Leveille, M., **Garrison, S. M.**, & Jackson, J. J. (October 2014). Relief, regret, resilience: The long-term psychological effects of getting divorced. Paper presented at the 28th Annual Convention of the Connecticut Psychological Association, Haddam, Connecticut.
8. **Garrison, S. M.**, Connolly, J. J., Leveille, M., & Jackson, J. J. (July 2014). Your friends know when you will divorce: A dyadic Cox regression of peer-rated personality. Poster presented at the 17th Annual Meeting of the European Conference on Personality, Lausanne, Switzerland.
7. Jackson, J. J., **Garrison, S. M.**, Connolly, J. J., & Leveille, M. (July 2014). Personality trait change in adulthood predicts health status in older adulthood. Talk given at the 17th Annual Meeting of the European Conference on Personality, Lausanne, Switzerland.
6. Rodgers, J. L., **Garrison, S. M.**, & Hadd, A. R. (June 2014). Intelligence and Fertility in the NLSY79 Respondents: Children of Siblings and Biometrical Models. Paper presented at the 2014 Behavior Genetics Association, Charlottesville, Virginia.
5. **Garrison, S. M.**, Hadd, A. R., & Rodgers, J. L. (April 2014). Influence of adolescent intelligence and conscientiousness on health outcomes at middle age. Talk given at the Quantitative Methods Colloquium, Department of Psychology & Human Development, Vanderbilt University, Nashville, Tennessee.
4. Hadd, A. R., **Garrison, S. M.**, & Rodgers, J. L. (April 2014). The relationship between maternal IQ and home environment. Talk given at the Quantitative Methods Colloquium, Department of Psychology & Human Development, Vanderbilt University, Nashville, Tennessee.

3. **Garrison, S. M.**, Connolly, J. J., Leveille, M., & Jackson, J. J. (February 2014). Peer-rated personality traits influence relationship duration and dissolution. Poster presented at the 15th Annual Meeting of the Society for Personality and Social Psychology, Austin, Texas. Also, presented at the 2nd Annual Lifespan Social-Personality Preconference, Austin, Texas.
2. Jackson, J. J., **Garrison, S. M.**, Connolly, J. J., & Leveille, M. (February 2014). What your friends know that you don't: Friend rated personality predicts longevity 70 years later. Talk given at the 15th Annual Meeting of the Society for Personality and Social Psychology, Austin, Texas.
1. **Garrison, S. M.** (April 2013). Domestic dissatisfaction: Gender differences in a multilevel model of marital satisfaction. Poster presented at the Annual Psychology Honors Symposium, Washington University, St. Louis, Missouri. Also, presented at the Annual Undergraduate Research Symposium, Washington University, St. Louis, Missouri.

\*denotes undergraduate student co-author\*

## PUBLISHED ABSTRACTS

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1. **Garrison, S. M.** (2013). Domestic dissatisfaction or dissatisfaction?: Gender differences in a multilevel model of marital satisfaction using prenuptial marital expectations after 20 years. [Abstract] *Washington University Senior Honors Thesis Abstracts*. 5, 166.

## CURRENT WORK

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### Working Papers

3. **Garrison, S. M.**, Connolly, J. J., Leveille, M., & Jackson, J. J. (in prep). As time goes by: Personality predicts the timing of divorce over 45 years.
2. **Garrison, S. M.** & Rodgers, J. L. (in prep). Flynn Effect and age at first intercourse.
1. Rodgers, J. L., Beasley, W. H., Bard, D. E., Meredith, K. M., Hunter, M., Johnson, A. B., Buster, M., Li, C., May, K. O., **Garrison, S. M.**, Miller, W. M., van den Oord, E., Rowe, D. C. (submitted). The NLSY Kinship Links: Using the NLSY79 and NLSY-Children Data to Conduct Genetically-Informed and Family-Oriented Research.

### Ongoing Analysis

3. Adolescent conscientiousness and intelligence impact health at midlife (with Rodgers)
2. Genetically informed extension of the sibling comparison approach (with Rodgers *et al.*)
1. Personality's influence on partner health and longevity across multiple cohorts (with Jackson *et al.*)

### Software

1. **Garrison, S. M.**. (2015). DiscordKin: Kinship-based design functions. R package version  $\alpha$

## TEACHING

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### Laboratory Instructor

Introduction to Statistical Analysis. Prof. Joseph L. Rodgers, Vanderbilt	Spring 2014
Lecture Topics: Excel Tutorials, Graphical Data Analysis, Hypothesis Testing, Probability Distributions, Scale Development, Statistical Literacy, Z-Scores	
Introduction to Statistical Analysis. Prof. James H. Steiger, Vanderbilt	Fall 2013
Lecture Topics: Power and Effect Size, R Tutorials	

### Teaching Assistant

Introduction to Statistical Analysis. Prof. Joseph L. Rodgers, Vanderbilt	Spring 2014
Introduction to Statistical Analysis. Prof. James H. Steiger, Vanderbilt	Fall 2013
Introduction to Social Psychology. Prof. Michael J. Strube, WUSTL	Fall 2012

**Disability Support**

Introduction to Statistical Analysis. Prof. Joseph L. Rodgers, Vanderbilt

Spring 2015

Introduction to Statistical Analysis. Prof. Joseph L. Rodgers, Vanderbilt

Spring 2014

**EXPERIENCE**

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**Academic**

User and Statistical Support, NLSY79 Kinship Links. Rodgers Lab, Vanderbilt Feb 2014; Aug 2014 - Present

Graduate Researcher. Rodgers Lab, Vanderbilt Jul 2013 - Present

Research Affiliate. Jackson Personality Measurement &amp; Development Lab, WUSTL Jul 2013 - Present

Research Assistant. Jackson Personality Measurement &amp; Development Lab, WUSTL Aug 2012 - Jul 2013

Research Assistant. Strube Social Behavior Lab, WUSTL Jan 2012 - Oct 2012

**Consulting**

Academic: Holtzman Lab (Georgia Southern Univ.), Kross Emotion & Self Control Lab (UMich), Mendle Adolescent Transitions Lab (Cornell), Needham Infant Learning Lab (VU), Ryan Lab (Georgetown), Strube Social Behavior Lab (WUSTL), Turiano Lab (West Virginia Univ.), Zald Affective Neuroscience Lab (VU)

Industry: Feed the Arts, Framewürk, LoveLogica, SkilledUp, ReviewNet

**Field Work**

Visiting Researcher. Bentley Historical Library, Univ. of Michigan Jul 2014

Visiting Researcher. Institute for Quantitative Social Science, Harvard Jan 2013

**SERVICE**

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**National**

Reviewer, APSSC Student Grant Competition Dec 2014

Volunteer, Conference Transportation. SMEP Annual Meeting Oct 2014

Reviewer, AERA Annual Meeting SIG-Cognition and Assessment Aug 2014

Reviewer, AERA Annual Meeting SIG-Test Validity Research and Evaluation Aug 2014

Reviewer, APS Student Council Student Research Award Mar 2014

Reviewer, SPSP Graduate Student Council Student Poster Award Nov 2013

**Department & University**

Panelist, Doctoral Application Advice. Dept. of Psychology &amp; Human Dev., Vanderbilt Apr 2014; Mar 2015

Panelist, Graduate Application Advice. Psychological Sciences Honors Program, Vanderbilt Sep 2014

Panelist, Graduate School Admissions. *Psi Chi*, Vanderbilt Sep 2013

President, Undergraduate Economics Association. Dept. of Economics, WUSTL May 2011 - Dec 2011

Treasurer, Undergraduate Economics Association. Dept. of Economics, WUSTL May 2010 - May 2011

Marketing Executive, Undergraduate Economics Association. Dept. of Economics, WUSTL Aug 2009 - May 2010

**Ad Hoc Journal Reviewer**

Journal of Family Issues, Journal of Research in Personality

**COMMITTEES**

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**Undergraduate Honors Theses Committees**Sloane Sparks (Apr 2014), *Gender Differences in Emotional Intelligence: Positive Emotions and Appraisal Theory*.Lydia Fuller (Apr 2014), *GED Student Achievement Trajectories and Predictors: Using the Latent Class Growth Model to Understand Heterogeneous Learning Patterns*.

## OUTREACH

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Panel Organizer, General Psychology AskMeAnything(AMA). <a href="#">AskScience</a> , <a href="#">Reddit.com</a>	<i>Summer 2015</i>
Limited Moderator. <a href="#">Science</a> , <a href="#">Reddit.com</a>	May 2015 - Present
Science Verified User. <a href="#">Science</a> , <a href="#">Reddit.com</a>	May 2015 - Present
Moderator. <a href="#">GradAdmissions</a> , <a href="#">Reddit.com</a>	Jan 2015 - Present
Limited Moderator. <a href="#">AskScience</a> , <a href="#">Reddit.com</a>	Sep 2014 - Present
Psychology Panelist, Expert AMA: Psychology & Social Work. <a href="#">AskSocialScience</a> , <a href="#">Reddit.com</a>	Apr 2014
Science Panelist, Quantitative Psychology. <a href="#">AskScience</a> , <a href="#">Reddit.com</a>	Dec 2013 - Present
Science Panelist, Individual Differences. <a href="#">AskSocialScience</a> , <a href="#">Reddit.com</a>	Dec 2013 - Present
Member, Women in Science & Engineering. School of Medicine, Vanderbilt	Dec 2013 - Present
Member, Peabody Queeries (Q.Ed). Peabody College, Vanderbilt	Aug 2013 - Present
Member, Science Cafe. Adventure Science Center, Nashville, TN	May 2013 - Present
Member, Pride Alliance. WUStL	Aug 2009 - May 2013

## COURSEWORK

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Health Psychology. Prof. A. DeLongis, Univ. of British Columbia	<i>Fall 2015</i>
Personality Dimensions & Structure. Prof. D. Paulhus, Univ. of British Columbia	<i>Summer 2015</i>
Item Response Theory II. Prof. S.-J. Cho, Vanderbilt	Spring 2015
Multilevel Modeling. Prof. K. Preacher, Vanderbilt	Spring 2015
Multivariate Statistics. Prof. J. Steiger, Vanderbilt	Spring 2015
Cognitive Science to the Classroom. Prof. B. Rittle-Johnson, Vanderbilt	Fall 2014
Item Response Theory I. Prof. S.-J. Cho, Vanderbilt	Fall 2014
Structural Equation Modeling. Prof. D. Cole, Vanderbilt	Fall 2014
Applied Bayesian Modeling. Profs. R. Bakker & J. Karreth, Univ. of Michigan	Summer 2014
Behavior Genetics. Prof. J. Rodgers, Vanderbilt	Summer 2014
Data Mining. Prof. R. Stine, Univ. of Michigan	Summer 2014
Exploratory & Graphical Data Analysis. Prof. J. Rodgers, Vanderbilt	Spring 2014
Psychological Measurement. Prof. D. Lubinski, Vanderbilt	Spring 2014
Quantitative Methods & Experimental Design. Prof. A. Tomarken, Vanderbilt	Spring 2014
Correlation & Regression. Prof. J. Rodgers, Vanderbilt	Fall 2013
Gifted Learner: Characteristics & Assessment. Prof. T. Stambaugh, Vanderbilt	Fall 2013
First Year Research Seminar: Ethics & Grant Writing. Profs. D. Levin & R. Marois, Vanderbilt	Fall 2013
Statistical Inference. Prof. J. Steiger, Vanderbilt	Fall 2013
Quantitative Methods II. Prof. J. Jackson, WUStL	Spring 2013
Quantitative Methods I. Prof. J. Jackson, WUStL	Fall 2012
History and Modern Systems of Psychology. Prof. H. Roediger III, WUStL	Spring 2012
<i>upcoming</i>	

## SKILLS

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<b>Certifications</b>	Microsoft Office Access Specialist, Microsoft Office Excel Specialist
<b>Coding</b>	HTML, $\text{\LaTeX}$ , Lua, Markdown, Python, R
<b>Languages</b>	English, Latin
<b>Select Software</b>	BUGS/JAGS, Git, LISREL, Mplus, R, SAS, SPSS
<b>Statistics</b>	Bayesian Methods, Behavior Genetics/Biometrical Modeling, Classical Test Theory, Dyad Modeling, Exploratory Data Analysis, Factor Analysis, Generalized Linear Modeling, Item Response Theory, Monte Carlo Simulations, Multilevel Modeling, Robust Methods, Quasi-Experimental Designs, Structure Equation Modeling, Survival Analysis

## REFERENCES

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### **Joseph L. Rodgers, Ph.D**

Lois Autrey Betts Professor  
 Quantitative Methods Area Head  
 Department of Psychology & Human Development  
 Vanderbilt University, Peabody College

### **Joshua J. Jackson, Ph.D**

Assistant Professor  
 Department of Psychology  
 Washington University in St. Louis

### **Lewis R. Goldberg, Ph.D**

Professor *Emeritus*  
 Department of Psychology  
 University of Oregon

### **Michael J. Strube, Ph.D**

Professor  
 Department of Psychology  
 Washington University in St. Louis