

Aaron R. Baggett, Ph.D.

Department of Education & Department of Psychology
University of Mary Hardin-Baylor
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|-------------------|---|------------------------------|
| EDUCATION | <i>Ph.D., Educational Psychology</i> | January 2010 – December 2014 |
| | Baylor University, Waco, TX | |
| | <i>M.Ed., Counseling and Human Development</i> | August 2005 – December 2006 |
| | Baylor University, Waco, TX | |
| | <i>B.B.S., Religious Education/Psychology</i> | August 2009 – December 2002 |
| | Baylor University, Waco, TX | |
| EXPERIENCE | <i>University of Mary Hardin-Baylor</i> | |
| | <i>Department of Education and Department of Psychology</i> | January 2020 – Present |
| | Assistant Professor | |
| | <i>University of Mary Hardin-Baylor</i> | |
| | <i>Department of Psychology</i> | August 2014 – Present |
| | Assistant Professor | |
| | <i>University of Mary Hardin-Baylor</i> | |
| | <i>Department of Psychology</i> | January 2013 – August 2014 |
| | Instructor | |
| | <i>Baylor University</i> | |
| | <i>Department of Educational Psychology</i> | January 2011 – December 2012 |
| | Research Assistant | |
| | <i>Baylor University</i> | January 2007 – January 2011 |
| | Career Counselor | |
| | <i>Hardin-Simmons University</i> | |
| | <i>Department of Counseling and Human Development</i> | December 2005 – January 2006 |
| | Graduate Assistant | |

RESEARCH

Terrell, J. T., **Baggett, A. R.**, Dasse, M. N., & Malavanti, K. F. (In Press). A hybridization of simultaneous and sequential lineups reveals diagnostic features of both traditional procedures. *Applied Psychology in Criminal Justice*

Morgan, G. B., Hodge, K. J., & **Baggett, A. R.** (2015). Latent profile analysis with nonnormal mixtures: A Monte Carlo examination of model selection using fit indices. *Computational Statistics & Data Analysis*, 93, 146–161.

Bagby, J., Barnard-Brak, L., **Baggett, A. R.**, Sulak, T. N., Walter, M., & Ragan, K. (2014). Student Veteran Transitions from Combat to College: A Nationwide Analysis. *Journal of College Orientation and Transition*, 22(1), 1-12.

Baggett, A.R. (2011). A million ghosts: Moral development at West Point. In Burley, H. (Ed.). *Cases on institutional research systems*. Hershey, PA: IGI Global.

RESEARCH IN PROGRESS

- Exploring purpose in life and motivation to achieve among Division I student-athletes.
- Influences on college student career selection: Validation of a career selection influences inventory.
- Item analysis and validation of a test of high school baseball umpire knowledge of NFHS rules.
- A regression analysis of expert/novice baseball umpire ball-strike decisions on game outcomes.
- An exploratory application of statistical methods to the empirical study of 2011 World Series plate umpires' ball-strike judgment and decision-making.

PEER- REVIEWED CONFERENCE PRESENTA- TIONS

- *Developing a Multiplatform Statistical Tutorial Library*, American Psychological Association Society for the Teaching of Psychology Annual Conference on Teaching, San Antonio, October, 2017.
- *A Hybridization of Simultaneous and Sequential Lineups Reveals Diagnostic Characteristics of Both Traditional Procedures*, Association for Psychological Science, Boston, MA, May, 2017.
- *Effects of Pitch Location and Count on Professional Baseball Umpires' Ball/Strike Decisions*, Association for Psychological Science, Boston, MA, May, 2017.
- *Hybridization of Simultaneous and Sequential Lineup Protocols Yields Comparable Identification Efficacy*, American Psychology-Law Society, Atlanta, GA, March 2016.
- *Student Veteran Transitions from Combat to College: A Nationwide Analysis*, American Educational Research Association, Philadelphia, PA, April, 2014 (co-presenter).
- *Exploring the effects of non-wood baseball bat regulations on NCAA offensive performance, 2010–2011*, Joint Statistical Meetings–American Statistical Association, Montreal, QC, August 2013.
- *Finite Mixture Modeling with Nonnormal Indicators: A Monte Carlo Examination of Fit Indices for Model Selection*, American Educational Research Association Annual Conference, San Francisco, CA, May 2013 (co-presenter).
- *Student Veterans' Experiences and Perceptions of College: A Nationwide Exploratory Mixed-Methods Analysis*, Southwest Educational Research Association Annual Conference, San Antonio, TX, February 2013 (co-presenter).

- *Finite Mixture Modeling with Nonnormal Indicators: A Monte Carlo Examination of Fit Indices for Model Selection*, Southwest Educational Research Association Annual Conference, San Antonio, TX, February 2013 (co-presenter).
- *BBCOR Bats and Small Ball: Umpiring Sacrifice Bunts, Stolen Bases, and Baserunning Infractions*, Texas Association of Sports Officials, Baseball Division Annual Conference, Houston, TX, January 2013.
- *An Exploratory Application of Statistical Methods to the Empirical Study of 2011 World Series Plate Umpires' Ball-Strike Judgment and Decision-Making*, Society for American Baseball Research Annual Conference, Minneapolis, MN, June 2012.
- *Exploring Purpose in Life and Motivation to Achieve Among Division I Student-Athletes*, Southwest Educational Research Association Annual Conference, New Orleans, LA, February 2012.
- *Understanding Perceptual-Cognitive Skills Among Expert Baseball Umpires*, Texas Association of Sports Officials, Baseball Division Annual Conference, Dallas, TX, January 2012.
- *Developmental Aspects of the Pursuit of Meaning in Emerging Adults*, Society for the Scientific Study of Religion Annual Meeting, Baltimore, MD, October 2010.
- *Who's Calling: Emerging Adults and the Pursuit of Meaning and Purpose*, American College Counseling Association National Conference, St. Louis, MO, October 2010.
- *Understanding the Students We Serve: Living and Leading Lives of Meaning*, Baylor University Professional and Organizational Development Seminar, October 2009.
- *Arrested Development: Psychological and Religious Aspects of the Pursuit of Meaning in Emerging Adults*, 17th World Congress on Viktor Frankl's Logotherapy, Dallas, TX, June 2009.
- *Lost in Transition: Helping Students Succeed in College*, Texas Counseling Association Secondary School Counselor's Conference, Austin, TX, February 2009.
- *The Last of the Human Freedoms: Helping Clients Find Meaning and Purpose in Life*, continuing education workshop, Heart of Texas Counseling Association, Waco, TX, February 2009.
- *A Psychological and Religious Discussion of the Pursuit of Meaning in Emerging Adults*, Christian Scholars Forum, University of Texas at Austin, Austin, TX, April 2008 (co-presenter).
- *Career Counseling as an Effective Method of First Year Student Retention and Transition to College*, 27th Annual Conference on The First Year Experience, San Francisco, CA, February 2008 (co-presenter).

INVITED LECTURES

- *Statistical Foundations for Physical Therapists*, University of Mary Hardin-Baylor, August, 2017.
 1. Foundations of Statistical Inference: Measuring Uncertainty
 2. Foundations of Statistical Decision Making: Comparing Multiple Groups
 3. Foundations of Statistical Decision Making: Relationships and Prediction
- *Accessing and Analyzing MLB Pitch Tracking Data*, Austin R Users Meetup, March 2017.

- *Preparing Data for Analyses*, UMHB Center for Effectiveness in Learning and Teaching, April 2016.
- *Summarizing and Visualizing Data*, UMHB Center for Effectiveness in Learning and Teaching, April 2016.
- *Using Data to Make Decisions*, UMHB Center for Effectiveness in Learning and Teaching, April 2016.
- *Integrating R and L^AT_EX in Scientific Research*, Baylor University, EDP 6362 – Applied Multiple Regression Analysis, January 2013
- *Re-conceptualizing the Major League Baseball strike zone: Exploring objective and subjective differences in Major League umpires' ball/strike decisions*. Winter Meeting: Austin Chapter of the Society of American Baseball Research, San Marcos, TX, January 2013.
- *Generating Dynamic Reports Using knitr and L^AT_EX*, Baylor University, EDP 6365 – Latent Variable Models in Education, September 2012
- Guest lecturer for four weeks, Baylor University, HP 4369 – Sport Psychology, fall 2012

GRANTS AND TRAVEL AWARDS

- University of Mary Hardin-Baylor Faculty Development Grant, Introduction to R for Social Science Students. Amount awarded: \$2,341.75.
- University of Mary Hardin-Baylor Graduate Faculty Research Grant, Integration of Research and Institutional Mission at Christian Universities: The Role of the Institutional Review Board. Amount awarded: \$3,000.
- National Collegiate Athletic Association, An exploration of Division I student-athletes' purpose in life and motivation to achieve. Amount sought: \$7,500 (unfunded)
- Texas Veterans Commission, Baylor University student veterans assistance project. Amount sought: \$92,576 (unfunded). In collaboration with Dr. Janet Bagby
- Baylor University Graduate School conference presentation travel grant, 2012
- Baylor University Dept. of Educational Psychology conference presentation travel grant, 2012
- Texas Counseling Association Tracy Wills Educational Endowment Grant, 2009
- Baylor University Graduate School conference presentation travel grant, 2010

HONORS, AWARDS, AND FELLOWSHIPS

- Outstanding Paper: Southwest Education Research Association, 2013
 - Morgan, G.B., & **Baggett, A.R.** (2013). Finite Mixture Modeling with Nonnormal Indicators: A Monte Carlo Examination of Fit Indices for Model Selection
- Nominee: President, Region V, Texas Counseling Association, 2010
- Texas College Counseling Association Emerging Leader, 2008/2009
- Dr. and Mrs. O.E. Harper Scholarship, Hardin-Simmons University, 2006
- Graduate Dean's Scholarship, Hardin-Simmons University, 2006
- Graduate Dean's Scholarship, Hardin-Simmons University, 2005

TEACHING EXPERIENCE

University of Mary Hardin-Baylor

Undergraduate

- PSYC 1301 – General Psychology, spring 2013
- PSYC 2305 – Statistics for the Behavioral and Social Sciences, fall 2013; spring 2014; fall 2014; spring 2015; fall 2015; spring 2016; fall 2016; spring 2017
- PSYC 2323 – Research Methods in Psychology, spring 2013; fall 2013; spring 2014; fall 2014; spring 2015; fall 2015; spring 2016; fall 2016; spring 2017
- PSYC 4316 – Experimental Psychology, fall 2013; spring 2015; fall 2016
- PSYC 4390 – Human Behavior: Past and Present, spring 2014; fall 2017
- PSYC 4355 – Psychology of Religion, fall 2014
- PSYC 4311 – Theories of Learning, spring 2016

Graduate

- EDUC 7310: Research I Design and Methods, fall 2020
- EDUC 7311: Research II Design and Methods, spring 2018, spring 2021
- EDUC 7312: Research III Advanced Design and Methods, fall 2018; fall 2019; fall 2020; spring 2021
- EDUC 7324: Dissertation I, spring 2019; spring 2020; spring 2021

Baylor University

- EDP 5334 – Teaching Assistant, Statistical Methods, summer 2012
(Supervising professor: Dr. Alex Beaujean)
- EDP 5332 – Teaching Assistant, Human Growth and Development, spring 2011
(Supervising professor: Dr. Janet Bagby)
- HON 3200 – Man's Search for Meaning, Honors College Colloquium, spring/fall 2008, spring 2009
- EDP 1101.03 – Identifying Future Careers, spring 2008

UNIVERSITY SERVICE

- College of Sciences Representative, Undergraduate Research Committee, University of Mary Hardin-Baylor, 2016 – Present
- Member, Institutional Review Board, University of Mary Hardin-Baylor, 2015 – Present
- Chair, University Curriculum Change Committee, University of Mary Hardin-Baylor, 2013 – 2017
- Statistical analysis consultant, University of Mary Hardin-Baylor Institutional Testing and Research, fall 2013
- Chair, Assessment Committee, Baylor University Paul L. Foster Success Center, 2009 – 2011

PROFESSIONAL MEMBERSHIPS

- American Statistical Association
Sections: Statistics in Sports, Statistical Graphics
- Association for Psychological Science
- American Educational Research Association
Division D – Measurement & Research Methodology
SIG – Cognition and Assessment
- Southwest Educational Research Association
- American Psychological Association
Divisions: 15 – Educational Psychology; and 47 – Sport, Exercise, and Performance Psychology
- Society for American Baseball Research

COMPUTING SKILLS

- Scripting Languages
R, \LaTeX , HTML, Markdown
- Statistical Software
R, SPSS, Stata, JMP, MPlus
- Operating Systems
Mac OS X, Microsoft Windows
- Productivity Suites
Microsoft Office, Adobe Creative Suite

Last updated: October 13, 2020