

Curriculum Vitae
Derald E. Wentzien
College of Business Data Analytics
Delaware State University, Dover Delaware 19901
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Education

Ph.D., Operations Research
University of Delaware, December 1996

MA, Mathematics
The College of New Jersey, May 1990

BS, Mechanical Engineering Technology
The College of New Jersey, May 1982

Professional Experience

August 2021 to present
Visiting Professor of Business Analytics
Delaware State University

August 2011 to May 2021
Tenured Professor of Mathematics and Data Sciences
Wesley College

August 2004 to August 2011
Associate Professor of Mathematics (Tenured in 2006)
Wesley College

August 1997 to August 2004
Assistant Professor of Mathematics
Wesley College

August 1993 to August 1997
Risk Analyst
Bank of New York (DE), Advanta Corp and Fleet National Bank

Research Interests

1. Data Analysis
2. Linear Programming
3. Scheduling Models
4. Forecasting Techniques
5. Assessment of Student Learning Outcomes

Publications:

1. D'Souza, M.J.; Bautista, R.C.; **Wentzien, D. E.**; Data Talks: Obesity-Related Influences on US Mortality Rates; *Research Health Sciences*, 2018, 3(3), (pp. 65-78)
2. D'Souza, M.J.; Shuman, K.E.; **Wentzien, D.E.**; Roske, K.P.; Working with the Wesley College Cannon Scholar Program: Improving Retention, Persistence, and Success; *Journal STEM Education*, 2018, 19(1), (pp. 31-40).
3. D'Souza, M.J.; Brandenburg, E.A.; **Wentzien, D.E.**; Bautista, R.C.; Nwogbaga, A.P.; Miller, R.G., & Olsen, P.E.; Descriptive and Inferential Statistics in Undergraduate Data Science Research Projects; Hokkaido Information University, (Ed.), *Advances in Statistical Methodologies and Their Application to Real Problems* (pp. 295-315). InTech.doi: 10.5772/65721.
4. D'Souza, M.J.; **Wentzien, D.E.**; Bautista, R.C.; Gross, C.E.; Investigation of Obesity-Related Mortality Rates in Delaware; *American Journal of Health Sciences*, 2017, 8(1), 19-32, PMID: PMC5501276.
5. D'Souza, M.J.; Walls, K-J; Rojas, C; Everett, L.M.; **Wentzien, D.E.**; Effect of Gender and Lifestyle Behaviors on BMI Trends in a Sample of the First State's Undergraduate Population; *American Journal of Health Sciences*, 2015, (6), 59-74, PMID: PMC445742
6. Gorski, D.; Bunyaratavej; K, **Wentzien, D.E.**; Barile, B; The Housing Bubble: Explanatory Variables of Housing Prices, *Decision Sciences Annual Meeting Proceedings*, November 2012, San Francisco, CA
7. **Wentzien, D.E.**; Ax, C.R. The Perceived Performance of Wesley College Students in a Basic Math Course, *Northeast Decision Sciences Annual Meeting Proceedings*, April 2012, Newport, RI
8. **Wentzien, D.E.**; Benson, M. J., Earley, M.D. The Ability of Wesley College Students to Apply Learning Objectives from Their Math Course to a Follow-up Course, *Northeast Decision Sciences Annual Meeting Proceedings*, April 2011, Montreal, Canada
9. **Wentzien, D.E.**; Study of Perceived Course Grades Versus Actual Course Grades for Wesley College Students Enrolled in a Math Course, *Federation O Business Disciplines Annual Meeting Proceedings*, March 2011, Houston, TX
10. **Wentzien, D.E.**; A Linear Program to Compare Multiple Gross Credit Loss Forecasts, *Federation O Business Disciplines Annual Meeting Proceedings*, page 100, March 2010, Dallas, TX
11. **Wentzien, D.E.**; Gross Credit Loss Forecast Comparisons, *Northeast Decision Sciences Annual Meeting Proceedings*, April 2009, Mohegan Sun, Uncasville, CT

12. **Wentzien, D. E.;** A Bootstrap Hypothesis Test of Attitudes Toward Farming and Farmland Preservation in New Castle County, DE, Northeast Agricultural and Resource Economics Association Annual Meeting Proceedings, June 1997
13. **Wentzien, D.E.;** A Bootstrap Hypothesis Test of Attitudes Toward Farming and Farmland Preservation in Upper Freehold Township, NJ, Northeast Decision Sciences Institute Annual Meeting Proceedings, April 1997
14. **Wentzien, D.E.;** Cole, G. A Bootstrap Estimate of the Willingness to Pay for Farmland Preservation Utilizing a Conjoint Design, Western Decision Sciences Institute Annual Meeting Proceedings, March 1997
15. **Wentzien, D.E.;** Stochastic Modeling of Land Use /Transitions in Upper Freehold Township, NJ from 1981 to 1990, A Case Study, Northeast Agricultural and Resource Economics Association Annual Meeting Proceedings, June 1994

Synergistic Activities:

1. Served as a mentor for Wesley College Mathematics major Aleya Cummings who completed a poster titled “High School Location of Wesley College Students,” Wesley College 2019 Scholars Day Program page 20
2. Served as a mentor for Wesley College Mathematics major Anthony Calcutta who completed a poster titled “Top 3 Most Dangerous Pesticides in Apples, Oranges, Broccoli and Asparagus Through the Years 2006-2016,” Wesley College 2019 Scholars Day Program page 20
3. Served as a mentor for Wesley College Mathematics major Cole Grider who completed a poster titled “The Analysis of Card Games using Probability and Statistics,” Wesley College 2019 Scholars Day Program page 20
4. Served as a mentor for Wesley College student Joshua Hughes who completed a poster titled “A Comparison of High School Grade Point Averages between Athletes and Non-athletes,” Wesley College 2019 Scholars Day Program page 20
5. Served as a mentor for Wesley College Mathematic major Jayson Feld who completed a poster titled “The Correlation Between Asthma and Air Quality for Delaware Residents,” Wesley College 2018 Scholars Day Program page 8
6. Served as a mentor along with Christine McDermott for Wesley College Mathematics majors Anthony Calcutta, Aleya Cummings, and Robert Coakley who completed a poster titled “Analyzing The Relationship Between Mean Performance Times In Running Events And Demographic Information,” Wesley College 2017 Scholars Day Program page 11
7. Served as a mentor along with Dr. Malcolm D’Souza for Wesley College Mathematics major Riza Bautista who completed a poster titled “Dying in Delaware – Impact of obesity, county of residency, income, gender, education and race,” Wesley College 2016 Scholars Day Program page 22
8. Served as a mentor for Wesley College Science majors Austin Luna and Andre Jones who completed a poster titled “Wesley College brings the Chemistry of Color to Delaware’s Family Science Adventure,” Wesley College 2016 Scholars Day Program page 16.
9. Served as a mentor for Wesley College Mathematics major Brittany Kowalewski who completed a poster titled “Trends in the Polar Ice Caps,” Undergraduate Research and Service Celebratory Symposium, University of Delaware Conference Program page 12
10. Served as a mentor for Wesley College Mathematics major Riza Bautista who completed a poster titled “Selecting a Methodology to Estimate the Missing Values from a Time-series Data Set that Measures the Extent of the Northern Polar Ice Cap,” University of Delaware Conference Program page 12
11. Served as a mentor for Wesley College Mathematics major Kasey Thompson who completed a poster titled “A Calculus Based Approach to Estimate the Volume of Asteroids,” Wesley College 2014 Scholars Day Program page 12
12. Served as a mentor of Wesley College Mathematics major Kasey Thompson who completed a poster titled “Approximating Unknown Masses of Asteroids using Calculus,” Wesley College 2013 Scholars Day Program page 5

13. Served as a mentor for Wesley College Mathematics major Kasey Thompson who presented a poster titled "Analysis of the Difference Between Perceived and Actual Performance in Developmental Math Courses at Wesley College," at the 8th Shenandoah Undergraduate Mathematics and Statistics Conference, September 2012
14. Served as a mentor for Wesley College Mathematics major Erich Gillespie who presented a talk titled "Athletic Participation and its Time Commitment," at the 8th Shenandoah Undergraduate Mathematics and Statistics Conference, September 2012
15. Served as a mentor for Wesley College Mathematics major Kasey Thompson who completed a poster titled "Analysis of the Difference Between Perceived and Actual Performance in Developmental Math Courses at Wesley College," Wesley College 2012 Scholars Day Program page 5
16. Served as a mentor for Wesley College Mathematics major Erich Gillespie who gave an oral presentation of his research titled "Athletic Participation and its Time Commitment as it Pertains to Academic Progress," Wesley College 2012 Scholars Day Program page 3
17. Served as a mentor for Wesley College Mathematics major Carle Ax who completed a poster titled "Students' Perceived vs. Actual Grade in MA099," Wesley College 2011 Scholars Day Program page 3
18. Served as a mentor for Wesley College Mathematics majors Ashley Russell and Charles Bode who completed a poster titled "Students View on How to Achieve Academic Success," Wesley College 2011 Scholars Day Program page 4
19. Served as a mentor for Wesley College Mathematics major Melissa Earley who completed a poster titled "A Linear Program that will Schedule Employees More Efficiently," Wesley College 2011 Scholars Day Program page 4
20. Served as a mentor for Wesley College Mathematics major Patrick McCoy who completed a poster titled "The Modeling of Credit Card Charge-off," Wesley College 2011 Scholars Day Program page 4
21. Served as a mentor for Wesley College Mathematics major Melissa Earley who completed a poster titled "Ability of Wesley College Students to Apply Learning Objectives from Their Math Course to a Follow-up Course," Wesley College 2010 Scholars Day Program page 4
22. Served as a mentor for Wesley College Mathematics majors Ashley Russell and Bradley Bivins who completed a poster titled "The Students' Perception on the Keys to Academic Success," Wesley College 2010 Scholars Day Program page 5
23. Served as a mentor for Wesley College Mathematics majors Lori LeVine and Leatah Gaither who completed a poster titled "A Statistical Analysis of Students' Perceived Causation," Wesley College 2009 Scholars Day Program page 4
24. Provided statistical analysis advising and support for all science majors enrolled in their Research Methods class at Wesley College over the past seven years.

Conferences Attended

1. Northeast Regional Institutional Development Award (IDeA) Conference, September 24-26 2015, Bar Harbor Maine
2. American Association for the Advancement of Science (AAAS) Annual Conference, February 12-16, 2015, San Jose Conference Center
3. Shenandoah Undergraduate Mathematics and Statistics (SUMS) Conference, October 4, 2014, James Madison University.
4. Undergraduate Research and Service Celebratory Symposium, August 14, 2014, University of Delaware.
5. Careers in Mathematics Conference, EPADEL, October 2013, West Chester University.
6. Annual Conference, Decision Sciences Institute, November 2012, San Francisco, CA.
7. Shenandoah Undergraduate Mathematics and Statistics (SUMS) Conference, September 29, 2012, James Madison University.
8. Annual Conference, Decision Sciences Institute Northeast Region, April, 2012, Newport, RI.
9. Careers in Mathematics Conference, EPADEL, October, 2011, West Chester University.
10. Annual Conference, Decision Sciences Institute Northeast Region, April, 2011, Montreal, Canada.
11. Annual Conference, Decision Sciences Institute Southwest Region, March, 2010, Dallas, TX.
12. Annual Conference, Decision Sciences Institute, November, 2009, New Orleans, LA.
13. Annual Conference, Assessment Institute, October, 2009, Indianapolis, IN.
14. Annual Conference, Decision Sciences Institute Northeast Region, April, 2009, Mohegan Sun, CT.
15. Applying Science to the Art of Business, Informs Conference on OR/MS Practice, April 13 – 15, 2008, Baltimore, MD.
16. Careers in Mathematics Conference, EPADEL, October 20, 2007, West Chester University.
17. Workshop on the Teaching of Linear Algebra, March 25, 2006, Drexel University.
18. Annual Meeting, Northeast Agricultural and Resource Economics Association, June 1997
19. Annual Meeting, Northeast Decision Sciences Institute, April 1997
20. Annual Meeting, Northeast Agricultural Economics Association, Newark, DE, June 1994
21. Annual Meeting, National Decision Sciences Institute, November 1993, Washington, DC.

Invited Talks

1. "The Transforming Power of Undergraduate Research: An Observation," Southeast Decision Science Conference in Charleston, S.C. in February 2017
2. "The Impact of the Delaware Space Grant Consortium, An Observation," Delaware Space Grant Consortium Symposium, April 14, 2016
3. "Transitioning from Graduate School to the Work Force," Operations Research Seminar, University of Delaware, April 18, 1997

Awards and Honors

1. United Methodist Foundation Exemplary Teaching Award 2005-2006
2. 2006 President's Award for Excellence in Teaching, Wesley College