

Austin Matthew Menger
CV-Resume

Austin Menger PhD

Research Interests: Survival Analysis, Bayesian Statistical Methodology, Machine Learning, Longitudinal Data Analysis, Psychometrics, Causal Inference, Statistical Inference, Healthcare Applications, Mental Health Applications.

Professional Appointments:

Jan 2025-

Founder & Chief Executive Officer
Bridge Mental, Inc.
New York, NY

Aug 2018-

Founder & Principal Scientist
Menger Analytics
New York, NY

Aug 2021-Dec 2021

Adjunct Professor in Department of Mathematics & Statistics
Connecticut College
New London, CT

Sept 2017-Dec 2022

Graduate Assistant in the Department of Statistics
Research Assistant at Pratt & Whitney
Research Assistant for NIH R01 Grant Proposal
Statistical Consultant at University of Connecticut Statistical Consulting Services
Graduate Assistant at Center for Students with Disabilities
University of Connecticut
Storrs, CT

May 2017-Sept 2017

Lead Data Scientist
New York Engineers
New York, NY

Oct 2016-May 2017

Database Analyst
Reed Exhibitions
Norwalk, CT

Education:

Aug 2017-May 2023

University of Connecticut (Storrs, CT)
Doctor of Philosophy in Statistics
Certificate in College Instruction
Dissertation: Statistical Methods for Survival Data in the Presence of Competing Risks with

Cure Fractions and Masked Causes

Aug 2016-Aug 2017

Columbia University (New York, NY)

Master of Science in Applied Analytics

Aug 2012-May 2016

Georgetown University (Washington DC)

Bachelor of Science (with Honors) in Mathematics

Honors Thesis: A Flexible Longitudinal Model for Count Data

Teaching Experience:

Connecticut College – Primary Instructor

Fall 2021 Advanced Regression Techniques (STA 207)

University of Connecticut – Primary Instructor

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| Fall 2022 | Contracted to make STAT 1100Q fully accessible for those with disabilities |
| Spring 2022 | Elementary Concepts of Statistics (STAT 1100Q) |
| Fall 2021 | Elementary Concepts of Statistics (STAT 1100Q) |
| Summer 2021 | Statistical Methods (Calculus Level 1) (STAT 3025Q) |
| Spring 2021 | Elementary Concepts of Statistics (STAT 1100Q) |
| Fall 2020 | Elementary Concepts of Statistics (STAT 1100Q) |
| Summer 2019 | Elementary Concepts of Statistics (STAT 1100Q) |
| Fall 2018 | Introduction to Mathematical Statistics I (STAT 3375Q) |
| Fall 2018 | Statistical Methods (Calculus Level 1) (STAT 3025Q) |
| Summer 2018 | Elementary Concepts of Statistics (STAT 1100Q) |

University of Connecticut – Teaching Assistant

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| Fall 2021 | Elementary Concepts of Statistics (STAT 1100Q) – 2 sections |
| Summer 2020 | Introduction to Statistics I (STAT 1000Q) – 1 section |
| Spring 2020 | Elementary Concepts of Statistics (STAT 1100Q) – 1 section |
| Spring 2018 | Introduction to Statistics I (STAT 1000Q) – 3 sections |
| Fall 2017 | Introduction to Statistics I (STAT 1000Q) – 5 sections |

University of Connecticut – Complementary Roles

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| Spring 2022 | Department Tutor |
| Spring 2018 | Department Tutor |
| Fall 2017 | Course Grader for Statistical Methods (Calculus Level 1) (STAT 3025Q) |
| Fall 2017 | Department Tutor |

Georgetown University – Teaching Assistant

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| Spring 2016 | Computer Science Math Methods (COSC 030) – half of class |
| Spring 2016 | Probability & Statistics (MATH 040) – 2 sections |
| Fall 2015 | Multivariable Calculus (MATH 137) – half of class |
| Fall 2015 | Computer Science Math Methods (COSC 030) – half of class |
| Fall 2015 | Probability & Statistics (MATH 040) – 2 sections |
| Spring 2015 | Probability & Statistics (MATH 040) – 2 sections |

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| Fall 2014 | Probability & Statistics (MATH 040) – 2 sections |
| Spring 2014 | Probability & Statistics (MATH 040) – 2 sections |

Honors/Awards:

Statistics/Analytics

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| Apr 2024 | One of the Most-Cited Papers, International Journal of Nursing Knowledge |
| Nov 2022 | 2 nd Place Poster Submission Award, NESS NextGen Data Science Day |
| Jun 2022 | Pre-Doctoral Award, Department of Statistics, University of Connecticut |
| Dec 2021 | Letter of Recognition, New England Statistical Society, Establishing NextGen Scholarship |
| Nov 2021 | Teaching Award, Department of Statistics, University of Connecticut |
| Jun 2021 | Pre-Doctoral Award, Department of Statistics, University of Connecticut |
| Sep 2020 | Service Award, Department of Statistics, University of Connecticut |
| Jan 2018 | Distinction in Teaching, University of Connecticut, One of the Top-Rated Instructors |
| Jan 2017 | Team of the Year, Data Analytics Team, Reed Exhibitions |
| May 2016 | Completed Honors Thesis in Statistics at Georgetown University (only student in dept.) |

University of Connecticut

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| Sep 2019 | Elected President of the Department of Statistics Graduate Student Committee |
| Sep 2018 | Elected Secretary of the Department of Statistics Graduate Student Committee <i>Fostering an increased sense of camaraderie through shared experiences.</i> |

Columbia University

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| Aug 2016 | Co-founder & Vice President Analytical Alchemist Club <i>Promoting analytics solutions to improve education and public services in our community.</i> |
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Georgetown University

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| May 2016 | Bachelor of Science with Honors (honors research thesis in statistics) First Honors Georgetown University Rugby Football Club |
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Leadership and Service

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| Nov 2024 | Poster Judge, NESS NextGen Data Science Day (Babson College) |
| Jun 2023 | Poster Judge, 36 th Annual New England Statistical Society Symposium |
| Apr 2023 | Professional Judge, DataFest at Wesleyan University, American Statistical Association |
| Nov 2022 | Invited Panelist, NextGen Data Science Day roundtable, New England Statistical Society |
| Oct 2022 | Volunteer, UConn Statistics 60 th Anniversary Conference: Excellence in Statistics |
| May 2022 | Volunteer, 35 th Annual New England Statistical Society Symposium |
| Apr 2022 | Professional Judge, DataFest at Wesleyan University, American Statistical Association |
| Aug-Nov 2021 | New England Statistical Society: Outreach Lead for Data Science Day (over 148 schools) |
| Nov 2020 | Invited Chair, Careers in Data Science Panel Session, New England Statistical Society |
| Aug-Nov 2020 | New England Statistical Society: Outreach Lead for Data Science Day (over 148 schools) |
| Mar 2020- | Founder & Lead, NextGen Scholarship for Underrepresented Minorities in Data Science |
| Jan 2020- | New England Statistical Society: Head of Diversity, Inclusion, & Outreach Sub-Committee |
| Jan 2020-21 | Search Lead for Student Members, NextGen Committee, New England Statistical Society |
| Oct 2019- | New England Statistical Society: Invited NextGen Committee Member |
| Sep 2019-20 | Elected President, UConn Department of Statistics Graduate Student Committee |
| Sep 2019-20 | Department Organizer, Paper of the Month Discussion, UConn Department of Statistics |
| Sep 2018-19 | American Statistical Association: Invited Student Chapter Representative (CT) |

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| Sep 2018-19 | Elected Secretary, UConn Department of Statistics Graduate Student Committee |
| Aug 2018-23 | Columbia University Alumni Interviewer |
| Apr 2018-21 | Consultant, DataFest at Wesleyan University, American Statistical Association |
| Sep 2017-23 | Active Member, UConn Department of Statistics Graduate Student Committee |
| Aug 2017- | Georgetown University Alumni Interviewer |
| Aug 2016-17 | Co-founder & Vice President, Analytical Alchemist Club, Columbia University |

Professional Society Membership

Columbia University Founders Society (invited lifetime member)
 Institute of Mathematical Statistics
 International Society for Bayesian Analysis (lifetime member)
 American Statistical Association
 New England Statistical Society (invited committee member)
 Sigma Xi Scientific Research Honor Society (elected associate member by Georgetown University chapter)

Mentorship

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| Oct 2024- | Anusha Natarajan, MS Current Role: Project Data Analyst at Elsevier Mentorship: Ongoing Publication |
| Mar 2024- | Marah Al Smadi Current Role: Doctoral Student at the University of Connecticut School of Nursing Mentorship: Multiple Publications |
| May 2023- | Shike Xu, MS Current Role: Doctoral Student at the Department of Statistics, University of Connecticut Mentorship: Work on Ph.D. Dissertation |
| Mar 2023- | Theodora Moldovan Current Role: MSc Data Science Student at Uppsala University Mentorship: Multiple Publications |
| Feb 23-Apr 25 | Harshita Rayapureddy Current Role: Rotational Analyst at ION Mentorship: Multiple Publications |
| Sep-Nov 2022 | Yue Yu, MS Current Role: Analytics at Deloitte, Banking & Capital Markets Mentorship: Award-winning Poster Presentation at NESS NextGen Data Science Day |
| Nov 2020-21 | Emily Perri Current Role: Social Work/Pre-Law at the University of Connecticut Mentorship: UConn IDEA Grant Program Submission |

Extracurricular/Hobbies/Interests

Spending quality time with family
 Hiking
 Skiing, American football, piano

Peer-Reviewed Publications

**Current intern/student at the time of work*

1. Abu Khait, A., **Menger, A.**, Al-Hammouri, M., ALhamdan, A., Issa, E., Rayapureddy*, H., Hamaideh, S. (2025). The relationship between insomnia and depressive symptoms in a sample of patients with schizophrenia: do psychotic symptoms play a mediating role?. *Journal of Psychiatric and Mental Health Nursing*, Advance online publication. <https://doi.org/10.1111/jpm.13175>
2. Abu Khait, A., **Menger, A.**, Shahrou, G., ALhamdan, A., Issa, E., Hamaideh, S. (2025). The association between psychotic symptoms and suicidal ideation in a sample of patients with schizophrenia: the moderating effect of the frequency of suicidal thoughts. *Archives of Psychiatric Nursing*, 54, 63-72. <https://doi.org/10.1016/j.apnu.2025.01.004>
3. Abu Khait, A., **Menger, A.**, Al-Atiyyat, N., Hamaideh, S., Al-Modallal, H., Rayapureddy*, H. (2024). The association between proneness to smartphone addiction and social anxiety among school students and the mediating role of social support: a call to advance Jordanian adolescents' mental health. *Journal of the American Psychiatric Nurses Association*, 31(2), 183-196. <https://doi.org/10.1177/10783903241261047>
4. Abu Khait, A., **Menger, A.**, Hamdan-Mansour, A., Aldalaykeh, M., Hamaideh, S., Al-Mrayat, Y., Nusair, H. (2024). The association between coping strategies and psychological and emotional distress among healthcare providers caring for autistic children in Jordan. *Western Journal of Nursing Research*, 46(8), 571-582. <https://doi.org/10.1177/01939459241254782>
5. **Menger, A.**, Sheikh, M.T., Chen, M-H. (2024). Bayesian modeling of survival data in the presence of competing risks with cure fractions and masked causes. *Sankhya A*, 86-A, S199-S227. <https://doi.org/10.1007/s13171-023-00335-5>
6. Abu Khait, A., **Menger, A.**, Rababa, M., Moldovan*, T., Lazenby, M., Shellman, J. (2024). The mediating role of religion and loneliness on the association between reminiscence functions and depression: a call to advance older adults' mental health. *Psychogeriatrics*, 24(1), 58-71. <https://doi.org/10.1111/psyg.13041>
7. Abu Khait, A., **Menger, A.**, Al-Modallal, H., Abdalrahim, A., Moldovan*, T., Hamaideh, S. (2024). Self-transcendence as a mediator of the relationship between reminiscence functions and death anxiety: implications for psychiatric nurses. *Journal of the American Psychiatric Nurses Association*, 30(3), 646-662. <https://doi.org/10.1177/10783903231174464>
8. Abu Khait, A., **Menger, A.**, Mahmoud, K., Hamaideh, S. (2023). A moderated mediation model of social support on the association between coping strategies and psycho-emotional distress of healthcare professionals caring for children with autism. *Issues in Mental Health Nursing*, 44(9), 879-890. <https://doi.org/10.1080/01612840.2023.2232860>
9. Sandilos, G., **Menger, A.**, Koorogayala, K., Zhu, C., Daneshpooy, S., Gefen, R., Kovacs, J., Giugliano, D., Kwiatt, M., McClane, S. (2023). Diagnostic accuracy of endoscopy in determining rectal tumor proximity to the peritoneal reflection. *International Journal of Colorectal Disease*, 38(1), article number 109. <https://doi.org/10.1007/s00384-023-04392-y>
10. Abu Khait, A., **Menger, A.**, Shellman, J., Al-Modallal, H., Hamaideh, S. (2022). Confirmatory factor analysis of the Arabic version of the reminiscence functions scale with strict measurement invariance across gender. *Perspectives in Psychiatric Care*, 58(4), 2145-2153. <https://doi.org/10.1111/ppc.13041>
11. Abu Khait, A., **Menger, A.**, Hamaideh, S.H., Al-Modallal, H., & Abdalrahim, A. (2022). Nursing students' knowledge about behavioral and biopsychosocial domains of dementia: a cross-sectional survey study. *International Journal of Nursing Knowledge*, 33(2), 116-127. <https://doi.org/10.1111/2047-3095.12343>
12. Abu Khait, A., **Menger, A.**, Shellman, J. (2022). Psychometric testing of the Arabic version of the reminiscence functions scale. *Journal of Nursing Measurement*, 30(3), 388-406. <https://doi.org/10.1891/JNM-D-20-00113>
13. Menger, R., Shaw, T., Bunch, J., Barry, J., Marciano, G., **Menger, A.**, Martino, A., Lenke, L., & Vitale, M. G. (2020). Health care lobbying, political action committees, and spine surgery. *Spine*, 45(24), 1736-1742. <https://doi.org/10.1097/BRS.0000000000003693>

14. Morris, D.S., Sellers, K.F., **Menger, A.** (2017). Fitting a flexible model for longitudinal count data using the NLMIXED procedure. In *SAS Global Forum Proceedings*; SAS Institute: Cary, NC, USA. <https://support.sas.com/resources/papers/proceedings17/0202-2017.pdf>
15. Menger, R., **Menger, A.**, Nanda A. (2016). Rugby headgear and concussion prevention: misconceptions increase aggressive play. *Neurosurgical Focus*, 40(4), E12. <https://doi.org/10.3171/2016.1.FOCUS15615>

Doctoral Dissertation & Master Thesis Contributions

****Completed statistical analyses for entire dissertation or thesis**

1. Doshi, M. (2022, University of Michigan). **Examining the effect of the 2016 election on depression in undocumented Latinx individuals. Doctoral (Ph.D.) dissertation. ([Currently Assistant Professor of Behavioral and Social Sciences @ Brown University](#))
2. Weinstein, G. (2020, University of Florida). **Assessing socioeconomic predictors of dental knowledge. Master of Public Health (MPH) thesis. ([Currently Associate Professor, In Residence @ University of Connecticut School of Dental Medicine](#))
3. Abu Khait, A. (2020, University of Connecticut). **Building a foundation for reminiscence research and practice in the Arabic-Jordanian culture. Doctoral (Ph.D.) dissertation. ([Currently Associate Professor of Psychological Health Nursing @ Hashemite University](#))
4. Chauveron, L. (2019, Montclair State University). **Promoting community-based affirmation for diverse LGBTQ+ youth. Doctoral (Ph.D.) dissertation. ([Currently Sr. Research Scientist @ Amazon](#))

Non-peer-reviewed Publications

1. Menger, R., **Menger, A.** "Did Georgetown Students Really Vote...?" (2019, Apr 23). *The Foundation for Economic Education*. Op-ed. <https://fee.org/articles/did-georgetown-students-really-overwhelmingly-vote-for-slavery-reparations/>

Conferences/Educational Proceedings

Oral Presentation:

1. **Menger, A.** (2025, May). A joint longitudinal biomarker and mixture overall cure rate competing risks survival model with applications to prostate cancer screening. Oral Presentation, The 2025 Lifetime Data Science (LiDS) Conference: Brooklyn, NY.
2. **Menger, A.** (2024, Nov.). A mathematical approach to entrepreneurship. Invited Panelist Talk, New England Statistical Society (NESS) NextGen Data Science Day: Babson College, Wellesley, MA.
3. **Menger, A.**, Sheikh, M.T., Chen, M-H. (2024, May). Bayesian modeling of survival data in the presence of competing risks with cure fractions and masked causes. Invited Talk, 37th New England Statistics Symposium: University of Connecticut, Storrs, CT.
4. Abu Khait, A., **Menger, A.** (2024, Apr.). Demographic impact on reminiscence functions in a sample of Jordanian adults: implications for psychiatric nurses. Oral Presentation, 3rd International Scientific Nursing Conference (ISNC): Philadelphia University, Amman, Jordan.
5. **Menger, A.**, Sheikh, M.T., Chen, M-H. (2022, Nov.). Maximum likelihood approach for survival data in the presence of competing risks with cure fractions and masked causes. Invited Talk, University of Connecticut Department of Statistics Student Lecture Series: Storrs, CT.
6. **Menger, A.**, Sheikh, M.T., Gelfond, J., Ibrahim, J., Chen, M-H. (2021, Nov.). Bayesian joint modeling of longitudinal and competing risk survival data in the presence of cure fractions. Oral Presentation, Eastern Asia Chapter of the International Society for Bayesian Analysis (EAC-ISBA) Conference: Atlantic City, NJ.

7. **Menger, A.** (2020, Feb.). A flexible longitudinal study model for count data. Oral Presentation, University of Connecticut Department of Statistics Student Lecture Series: Storrs, CT.
8. **Menger, A.,** (2018, Jul.). Exploratory data analysis and regression. Invited Guest Lecture, Columbia University Summer Immersion Course on Big Data, Machine Learning, and Applied Analytics: New York, NY.
9. **Menger, A.** (2018, Mar.). Sharpening our statistical toolkit – a rebirth of classical powerful techniques. Invited Talk, Columbia University: New York, NY.
10. Menger, R., **Menger, A.,** Nanda, A. (2014, Feb.). Misconceptions about rugby headgear and concussion prevention: a call for education, evaluation, and a cultural shift. Oral Presentation, Southern Neurosurgical Society (SNS), 65th Annual Meeting: San Juan, Puerto Rico.
11. Menger, R., **Menger, A.,** Nanda, A. (2014, Jan.). Misconceptions about rugby headgear and concussion prevention: initial data. Oral Presentation, Louisiana Neurosurgical Society (LANS), 39th Annual Meeting: Baton Rouge, LA.

Poster Presentation:

**Current intern/student at the time of work*

12. Sandilos, G., **Menger, A.,** Giugliano, D., Kwiatt, M., Gefen, R., Ives, E., Joneja, U., Miick, R., McClane, S.J. (2024, Jun.). Bayesian analysis of factors impacting concordance of MRI and histopathology in determining rectal tumor relationship to the anterior peritoneal reflection. The American Society of Colon and Rectal Surgeons (ASCRS) Annual Scientific Meeting: Baltimore, MD., Poster Presentation.
13. Moldovan*, T., **Menger, A.** (2022, Nov.). Moderated parallel mediation analysis of qualitative job insecurity scale (QUAL-JIS). New England Statistical Society (NESS) NextGen Data Science Day: Virtual, Virtual Poster Presentation.
14. Yu*, Y., McDermott, D., **Menger, A.** (2022, Nov.). Forecasting S&P500 daily close price intervals on the commodity futures trading platform Kalshi. New England Statistical Society (NESS) NextGen Data Science Day: Virtual, Virtual Poster Presentation (awarded 2nd place overall).
15. McClane, J., **Menger, A.,** Welch, J., Lulla, R. (2022, May). Establishing metrics to assess perspectives of virtual learning in adolescents with cancer. The American Society of Pediatric Hematology/Oncology (ASPHO 2022) Annual Conference: Pittsburgh, PA., Poster Presentation.
16. Sandilos, G., Zhu, C., **Menger, A.,** Gefen, R., Kovacs, J., Giugliano, D., Kwiatt, M., McClane, S.J. (2022, May). Diagnostic accuracy of endoscopy in determining rectal tumor proximity to the peritoneal reflection. The American Society of Colon and Rectal Surgeons (ASCRS) Annual Scientific Meeting: Tampa, FL., Virtual Poster Presentation.
17. **Menger, A.,** Sheikh, M.T., Gelfond, J., Ibrahim, J., Chen, M-H. (2021, Nov.). Bayesian joint modeling of longitudinal and competing risk survival data in the presence of cure fractions. Eastern Asia Chapter of the International Society for Bayesian Analysis (EAC-ISBA) Conference: Atlantic City, NJ., Poster Presentation.
18. Menger, R., Shaw, T., Bunch, J., Barry, J., Marciano, G., **Menger, A.,** Martino, A., Lenke, L., Vitale, M. (2020, Apr.). Healthcare lobbying, political action committees, and spine surgery. American Association of Neurological Surgeons, Annual Meeting, Virtual Poster Presentation.
19. **Menger, A.,** Sellers, K. (2016, Apr.). An application of the Conway-Maxwell-Poisson distribution through a longitudinal study. Georgetown Undergraduate Research Conference (URC): Washington, DC., Poster Presentation.
20. Menger, R., **Menger, A.,** Nanda, A. (2014, Oct.). Rugby headgear and concussion prevention; misconceptions increase aggressive play. Digital Poster, Congress of Neurological Surgeons: Boston, MA.

Supplemental Education:

Mar 2020

Disability Awareness & Inclusive Teaching Online Training, University of Connecticut

Invited Reviewer:

Lifetime Data Analysis

Biometrical Journal

Journal of Computational and Graphical Statistics

Psychology Research and Behavior Management