

Gözde Sert

405 B Blocker Building
Department of Statistics
Texas A&M University

Updated: October 2025
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EDUCATION

PhD in Statistics Expected May 2026

Texas A&M University, College Station, TX
Advisors: Anirban Bhattacharya & Abhishek Chakraborty

M.S. in Mathematics August 2021

Penn State University, University Park, Pennsylvania
Minor: Statistics
Thesis Title: *Functional Analysis on Newton Spaces*
Advisor: Donald Richards

M.S. in Mathematics August 2018

Boğaziçi University, Istanbul, Turkey
Thesis Title: *A Survey on Endo-trivial Modules*
Advisor: Olcay Coşkun

B.S. in Mathematics August 2016

Boğaziçi University, Istanbul, Turkey

RESEARCH

Research Interests: Bayesian non-parametric inference; Bayesian semi-parametric inference; Bayesian debiasing methods; Semi-supervised learning; Causal inference; Missing data theory; Transfer learning; High-dimensional semi-parametric inference; Probability theory.

Published Papers

1. **Gözde Sert**, Abhishek Chakraborty, and Anirban Bhattacharya (2025), Bayesian semi-supervised inference via a debiased modeling approach, *Econometrics and Statistics*.
<https://doi.org/10.1016/j.ecosta.2025.05.001>. (*to appear*). [PDF]
 - **Winner of:** [ASA](#) Section on Bayesian Statistical Science ([SBSS](#)) Student Paper [Award](#) (2024); [IMS](#) International Conference on Statistics and Data Science ([ICSIDS](#)) Student Travel [Award](#) (2024); [AAAS](#) Statistics Section ([Section U](#)) Travel Award for [AAAS Annual Meeting](#) (2024); TAMU [CAS](#) Doctoral Student Research, Travel & Professional Development Award (2024).
 - **Finalist** for the International Indian Statistical Association ([IISA](#)) Student Paper Competition in Probability and Theory of Statistics and Data Science (2025).
 - *Honorable Mention* in The Southeast Texas Chapter of the ASA ([SETCASA](#)) Poster Competition (2024).

Submitted Papers

2. **Gözde Sert**, Abhishek Chakraborty, and Anirban Bhattacharya (2025+), Bayesian semi-parametric causal inference: Targeted doubly robust estimation of treatment effects. *Under review*. [\[PDF\]](#)
 - **Winner of Poster Competition (3rd place)** in The 14th International Conference on Bayesian Nonparametrics ([BNP](#)) (2025).
1. **Gözde Sert** and Sergio Zamora (2018), On unfoldings of stretched polyhedra. *Resubmitted to the American Mathematical Monthly*. [\[Link\]](#)

Papers in Progress

1. **Gözde Sert**, Abhishek Chakraborty, and Anirban Bhattacharya (2025+), A unified framework for Bayesian debiased machine learning: Applications in high-dimensional and semi-parametric inference. *In progress*.

Presentations

7. 14th International Conference on BNP, UCLA, CA June 2025
Bayesian Semiparametric Causal Inference: Targeted Doubly Robust Estimation of Treatment Effects (Poster Presentation)
6. IISA Annual Conference, Lincoln, NE June 2025
Bayesian Semi-supervised Inference via a Debiased Modeling Approach
(Student Paper Competition - Finalist)
5. SETCASA Annual Meeting, College Station, TX April 2025
Bayesian Semiparametric Causal Inference: Targeted Doubly Robust Estimation of Treatment Effects (Invited Talk)
4. ICSDS, Nice, France December 2024
Bayesian Semi-supervised Inference via a Debiased Modeling Approach
(Student Paper Award Session)
3. ASA Joint Statistical Meetings (JSM), Portland, OR August 2024
Bayesian Semi-supervised Inference via a Debiased Modeling Approach
(SBSS Student Paper Award Session)
2. SETCASA Annual Meeting and Poster Competition, College Station, TX May 2024
Bayesian Semi-supervised Inference via a Debiased Modeling Approach
(Poster Presentation)
1. New England Statistics Symposium (NESS), Storrs, CT May 2024
Bayesian Semi-supervised Inference via a Debiased Modeling Approach

SCHOLARSHIPS & AWARDS

- TAMU Graduate and Professional School Research Travel Award 2025
- Finalist of the IISA Student Paper Competition in Probability and Theory of Statistics and Data Science 2025

- The Texas A&M University Statistics Department Graduate Student Travel Award 2024
- The Texas A&M University Doctoral Student Research, Travel, and Professional Development Award 2024
- The annual IMS International Conference on Statistics and Data Science (ICSIDS) Student Travel Award 2024
- The ASA Section on Bayesian Statistical Science (SBSS) Student Paper Award 2024
- The American Association for the Advancement of Science (AAAS) Section U on Statistics Student Travel Award 2024
- The Southeastern Texas ASA (SETCASA) Poster Competition: Honorable Mention 2024
- The Texas A&M University Statistics Department Graduate Student Travel Award 2023
- The Texas A&M Statistics Graduate Student Association (SGSA) Award 2023
- The Ruth J. and Howard F. Newton Memorial Graduate Student Teaching Award 2022
- Graduate Scholarship, Scientific and Technological Research Council of Turkey 2016 – 2018
- Undergraduate Scholarship, Scientific and Technological Research Council of Turkey 2011 – 2016

TEACHING EXPERIENCE

Texas A&M University

Teaching Assistant

- STAT 612: Theory of Linear Models. Fall 2023, Fall 2024, Fall 2025
- STAT 312: Statistics for Biology. Summer 2025
- STAT 438: Bayesian Statistics. Spring 2025
- STAT 641: Methods of Statistics I Summer 2023
- STAT 607 & STAT 407: Principles of Sample Surveys. Fall 2022
- STAT 211: Principle of Statistics I Summer 2022
- STAT 415: Mathematical Statistics II. Spring 2022
- STAT 601: Statistical Analysis. Fall 2021

Penn State University

Instructor

- MATH 22: College Algebra II (2 sections) Fall 2019, Fall 2020

Teaching Assistant

- STAT 418: Probability and Stochastic Processes. Fall 2020, Spring 2021, Summer 2021

- MATH 250: Ordinary Differential Equations. Summer 2020
- MATH 251: Ordinary and Partial Differential Equations. Summer 2020
- STAT 416: Stochastic Modeling. Spring 2020
- MATH 502: Functional Analysis. Spring 2020
- MATH 22: College Algebra II Summer 2019
- MATH 485: Graph Theory. Fall 2018
- MATH 427: Euclidean Geometry. Fall 2018
- MATH 34: Mathematics and Money. Fall 2018

Boğaziçi University

Teaching Assistant

- MATH 131: Calculus of a Single Variable. Spring 2018
- MATH 101: Calculus I. Fall 2017, Summer 2015, Spring 2015
- MATH 201: Linear Algebra. Fall 2015

SERVICE

Texas A&M Department of Statistics
SGSA President

College Station, TX
April 2024–April 2025

Texas A&M Department of Statistics
Department Head Search Committee Member

College Station, TX
March 2024–May 2025

Texas A&M Department of Statistics
SGSA Vice President

College Station, TX
April 2023–April 2024

Texas A&M College of Arts & Sciences
Statistics Career Night, Table Moderator

College Station, TX
March 2024

Texas A&M Department of Statistics
SGSA StatCafe Organizer

College Station, TX
April 2022–April 2023

SKILLS

Technical Skills: C++, R, Python, SQL, HTML, Excel, Git, LaTeX

Languages: Turkish (Native), English (Fluent), Spanish (Intermediate)