



# EAST TEXAS A&M

## Curriculum Vita August 2025

**Instructor:** Dr. Nahid Hasan  
**Academic Department:** Mathematics

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### EDUCATION

Ph.D. in Mathematical Sciences specialized in Statistics  
University of Nevada, Las Vegas, 2023  
Supervisor: Dr. Petros Hadjicostas  
Research Area: Generalized linear models, log-linear models, count data

M.S. in Statistics, Biostatistics, & Informatics  
University of Dhaka, 2014

### TEACHING EXPERIENCE

2023 – 2024 Assistant Professor, East Texas A&M University  
2017 – 2023 Graduate Teaching Assistant, University of Nevada, Las Vegas

### PUBLICATIONS

**Hasan, M.N.**, Murshed, M.M., Chowdhury, F.A., Hasan, M.M., and Roy, H.D., Enhancing Preoperative Thyroid Cancer Diagnosis: An Interpretable Machine Learning Approach With Copula-based Data Augmentation, IEIE SPC (under review since June 2025)

**Hasan, M.N.**, Murshed, M.M., Chowdhury, F.A., and Hasan, M.M., A Machine Learning Framework for Breast Cancer Treatment Classification Using a Novel Dataset, Scientific Report, 2025 (under review since February 2025)

Spiller, J., **Hasan, M.N.**, Feature importance in health insurance data using variance-based sensitivity analysis, Journal of Model Assisted Statistics and Applications, 2024, 19(4). <https://doi.org/10.1177/15741699241306814>

Ahmmed F, **Hasan MN**, Hossain MF, et al., Association between short birth spacing and child malnutrition in Bangladesh: a propensity score matching approach, BMJ Paediatrics Open, 2024; 8:e002240. doi: [10.1136/bmipo-2023-002240](https://doi.org/10.1136/bmipo-2023-002240)

**Hasan, M.N.** synergy and antagonism in log-linear models, Ph.D. thesis, University of Nevada, Las Vegas, 2023;  
<https://digitalscholarship.unlv.edu/thesesdissertations/4833/>

<b>RESEARCH GRANTS AND AWARDS</b>
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2025	Faculty Challenge Grant Competition, East Texas A&M University \$ 4,000
2023	UNLV Outstanding Graduate Student Teaching Award (2 <sup>nd</sup> Place), University of Nevada-Las Vegas, \$2000
2022 & 2023	Mathematical Sciences Summer Fellowship, University of Nevada – Las Vegas, \$5000
2017 – 2018	Graduate Access Funds, University of Nevada-Las Vegas, \$2000