

Mohammad Sayeef Alam

Trondheim, Norway | alam.sayeef@gmail.com | +47 48671602

Professional Experience

NORWEGIAN INSTITUTE OF SCIENCE AND TECHNOLOGY

Trondheim, Norway

Doctorate in Philosophy, Medicine and Health Sciences

2022 – Present

- Thesis titled “*The genetic and environmental susceptibility to coeliac disease: a prospective population-based cohort study.*”
 - Perform genome wide association analysis to determine novel associations.
 - Generate polygenic risk scores to stratify the patients into risk quantiles.
 - Develop prognostic models based on genetic and environmental risk factors after a year of follow up.

Coursework: Genetic epidemiology; Epidemiology II; Research, ethics, and society; Scientific publishing and research communication

PAREXEL

Remote, India

Associate (HEOR), Advanced Analytics

2021 – 2022

- Assisted in RShiny app development to conduct economic evaluations.
- Prepared statistical analysis plans, performed indirect treatment comparisons like NMA, MAIC and STC and prepared reports for clients.
- Developed a dynamic dashboard to visualize the demographics and line of therapies taken by patients in Excel using VBA.
- Handled, presented results, and managed client’s expectation in terms of project deliverables.

Education

INTERNATIONAL INSTITUTE FOR POPULATION SCIENCES

Mumbai, India

Master of Philosophy, Biostatistics and Demography. GPA: 8.02/10

2020 - 2021

Thesis: “*Multivariate life table estimates of the period and cohort measures of total fertility rates and its components.*”

Coursework: Advanced research methodology; Critical Review of Literature; Mortality and Public health issues.

INTERNATIONAL INSTITUTE FOR POPULATION SCIENCES

Mumbai, India

Master of Science, Biostatistics and Demography. GPA: 7.39/10

2018 - 2020

Thesis: “*Effective use of machine learning in predicting lungs adenocarcinoma from high-dimensional microarray genetic data.*”

Coursework: Biostatistics; Epidemiology; Clinical Trials; Research Methodology; Demographic Methods; Large Scale Sample Survey; Software application in demographic data analysis

UNIVERSITY OF CALCUTTA

Kolkata, India

Bachelor of Science, Statistics.

2014 - 2018

Coursework: Descriptive statistics; Linear algebra; Time series analysis; Multivariate analysis and non-parametric methods; Probability and its distributions; Survey sampling; Demography and vital statistics; Statistical inference; Operation research.

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Skills & Interests

Transferable: Critical thinking, logical deductions, problem solving, effective communication, GPT prompting

Technical: RShiny/R, Bash, SAS, STATA, MS Excel, (Learning: SnakeMake and Python)

Language: Fluent in English, Hindi, Bengali, Litt Norsk

Interests: Working out, swimming, hiking, skiing, and cooking

Grants awarded

1. Helsemidt Norge Samarbeidsarganet	79,000 NOK	December, 2023.
2. ISSCD Global Mentee-in-Mentorship Grant	6,000 USD	July 2023.
3. Erasmus+ Mobility Grant	16,942 NOK	April 2023.

Leadership

INTERNATIONAL INSTITUTE FOR POPULATION SCIENCES

Mumbai, India

Sports Secretary

2019 – 2021

- Spear-headed all sports events including organising of teams to successful execution of matches.
- Liaised with administration for approvals, funding and planning of sports events.

Scholarly Publications

1. Singh, M., **Alam, M. S.**, Majumdar, P., Tiwary, B., Narzari, H., & Mahendradhata, Y. (2021). Understanding the spatial predictors of malnutrition among 0-2 years children in India using path analysis. *Frontiers in Public Health*, 9, 769.
2. Mustafa, A., **Alam, M. S.**, & Shekhar, C. (2020). The Effects of Social Media Consumption Among the Internet Users During COVID-19 Lockdown in India: Results from an Online Survey. *Online Journal of Health and Allied Sciences*, 1-5.
3. Sen, K., Sinha, A., Sen, S., Chakraborty, S., & **Alam, M. S.** (2020). Thyroid function test in COVID-19 patients: a cross-sectional study in a tertiary care hospital. *Indian Journal of Endocrinology and Metabolism*, 24(6), 532.

Conference Presentations

1. Oral presentation of “Prevalence of communicable disease and its epidemiological correlates in major urban states in India: Evidence from a nationally representative sample.” M. S. Alam, M. I. K. Sheikh & B. Paswan at 16th International Conference on Urban Health, Xiamen, China, 2020.
2. Oral presentation of “Shifting paradigm in the cause of maternal mortality in West Bengal: A facility and community based mixed methods approach”. M. S. Alam, M. I. K. Sheikh & B. Paswan at 5 th International Integrative Research Conference on Governance and Modernization in Changing Environment, Comilla, Bangladesh, 2019.

References can be provided upon request.