With over five years of experience in health-related data management and health related services with esteemed organizations such as Green Hill-Community Partners International, Food for the Hungry-UNHCR, and Partners in Health & Development-Save the Children, I understand the critical role that advanced academic training plays in addressing evolving health challenges. I am committed to bridging the gap between my extensive professional experience and research capabilities through further academic pursuit. My academic trajectory has been fortified by a robust foundation in Statistics, a discipline that has equipped me with the analytical tools crucial in Biostatistics/Public Health. As an enthusiast of statistics and an advocate for Biostatistics/Public Health, I am driven to pursue a Ph.D. degree in Applied Health Research and Evaluation (AHRE) at Clemson University. My academic journey, rooted in statistics for both undergraduate and postgraduate studies, has shaped my analytical prowess and instilled in me a penchant for rigorous data exploration. Yet, it’s the intersection of statistics with the realm of public health that ignites my passion. Since I embarked on the pursuit of advanced studies in Public Health, I am thrilled by the prospect of contributing my expertise to Clemson University. Pursuing a Ph.D. in Biostatistics/Public Health at the Clemson University aligns perfectly with both my short term and long-term goals. In the short term, I aim to enhance my skills in Biostatistics to conduct impactful and original research. Looking ahead, my vision is to lead a research laboratory focused on advancing statistical design and methodology, mentor future scientists, and foster a collaborative research environment. My drive for excellence in Biostatistics is inspired by academic mentors and professionals who have guided me and fueled my dedication to lifelong learning.

However, it was my experience at the Humanitarian Response under Health Sector, that served as an epiphany. Transitioning into a professional setting reinforced my zeal for health projects and research activities. During my tenure there I was engaged in diverse projects that exposed me to the holistic process of health programs. In my current role as a Monitoring and Evaluation Officer (Health) in Humanitarian Response, I have contributed significantly to projects like the Rohingya Refugee/Forcibly Displaced Myanmar Nationals (FDMN) Response Program. I played a key role in research recruitment, data analysis, and program implementation, addressing challenges through advocacy, communication, and social mobilization. From the grassroots level of fieldwork, where I witnessed healthcare challenges firsthand, to the meticulous curation and management of intricate datasets, culminating in the exhilarating analysis phase, each step fueled my resolve to be an instrumental force in this field. This experience has reinforced my belief in my ability to devise effective solutions independently.

From my formative years, the sphere of public health has captivated my interest, steering me towards a profound fascination with the realm of health studies. This passion fueled my trajectory into health research over the last seven years, commencing as a research assistant during my master’s program. My passion for health science began during my undergraduate studies when I explored the correlation between delivery methods and newborn health outcomes in Bangladesh. This project marked the start of my application of statistical knowledge. Additionally, my Second Major in Computer Science and Engineering enhanced my proficiency in statistical programming languages such as SAS, Stata, and R, making data analysis a seamless process for me. My role in public health, working on various disease studies, has deepened my commitment to addressing health issues, particularly in infectious diseases, non-communicable diseases, and maternal and child health.

My academic journey includes a Bachelor of Science in Statistics from Shahjalal University of Science and Technology, Sylhet, where I engaged in foundational and advanced courses in statistics. The practical application of this knowledge began in my third year with courses in Regression Analysis and Statistical Computing. My subsequent MS program further developed my skills in Biostatistics through various projects with the SUST Research Center and Department of Statistics, broadening my focus to public health. My academic endeavors have been marked by substantial contributions to the field. Beyond my professional work, immersed in real–life data, I embraced the challenges of cross-sectional and longitudinal studies, notably in infectious diseases, like tuberculosis; neurological disorders, like dementia; and mental health disorders among several marginalized populations, like persons with disabilities, adolescents, survivors of intimate partner violence, academicians of medical colleges and so on. My exposure to diverse studies, encompassing both quantitative and qualitative methodologies, has broadened my understanding of health research intricacies. This experience crystallized my desire to intervene effectively, prompting my pursuit of advanced studies in this specific field. I have been actively involved in voluntary efforts and have authored over 20 publications in reputable journals on various public health topics and first authorship in most of them. My research during the COVID-19 pandemic and ongoing work on Dengue in Bangladesh has been published in impactful journals. These publications are a testament to my dedication to rigorous research and my ability to contribute meaningfully to scientific discourse. My commitment to academic excellence extends beyond publications. I have actively participated in more than five conferences, where I not only presented my research findings but also convert them in publication in further. In addition, I showcased my research on “World One Health Congress 2020’ which allow me to present my work on a global platform. In addition, I assisted my Team leader as a member of Institutional Review Board (IRB) approval for assigned projects in Biostatistics Epidemiology and Public Health Research Team. Additionally, I have more than ten research articles under review across various esteemed peer-reviewed journals currently. Furthermore, my academic journey has been punctuated by accolades, including some research grants from both University Grants Commission and various Ministry of Bangladesh. These grants and completion of those projects stand as a testament to my commitment to advancing knowledge and addressing pertinent issues in research through rigorous inquiry.

The pursuit of a Ph.D. degree stands as the beacon for my quest to delve deeper, learn extensively, and innovate in the health sector. Leveraging my track record as a diligent student, I am confident in my ability to navigate the rigors of a Ph.D. program. Embracing new environments and challenges aligns with my adventurous spirit, fostering personal evolution and contribution to the academic community. I am unwavering in my commitment to leveraging my statistical acumen to address pressing public health challenges. My academic track record speaks of my dedication, but more so, it reflects my unwavering determination to make substantial contributions. As I embark on this pursuit, I am not only seeking academic enlightenment but also a platform to craft a legacy of impactful, data-driven solutions that will elevate the standards of global health. Furthermore, proactive engagement with esteemed faculty members at Clemson University has been instrumental in shaping my academic trajectory. Engaging in discussions with Dr. Qiping Fan regarding the prospect of joining her research team has been promising. Her endorsement as a prospective supervisor not only fills me with enthusiasm but also reaffirms my conviction in aligning my research interests with her vision. Similarly, my interaction with Dr. Lior Rennert, culminating in an online meeting, has been immensely encouraging. His willingness to supervise and support my doctoral journey underscores the collaborative and nurturing environment that Clemson University fosters for its scholars.

Enrolling in the Ph.D. program at the Clemson University represents a significant step toward my goal of becoming an independent scientist specializing in public health through Public Health. Clemson University stands as a beacon of academic excellence and innovation, a place where I aspire to synergize my statistical expertise with the intricacies of public health. I am eager to immerse myself in a collaborative academic environment, where I can contribute meaningfully, innovate tirelessly, and emerge as a catalyst for positive change in the health landscape. The distinguished faculty, research opportunities, and comprehensive curriculum resonate with my academic and professional aspiration, making it the ideal crucible for my growth as a Public Health Researcher. Despite tempting offers, such as the higher position at many prestigious international NGO in Bangladesh, I made a conscious decision to prioritize my pursuit of a Ph.D. degree. This decision stems from my unwavering belief that a Ph.D. from Clemson University will not only empower me to delve deeper into health research but will also equip me to make transformative contributions to the field. In conclusion, my journey from statistical analysis to fervent involvement in public health research underscores my unwavering commitment to this field. I am eager to bring my rich experiences and unbridled enthusiasm to Clemson University, contributing meaningfully to the university’s ethos of academic excellence and innovation in Public Health. With my strong foundation in Biostatistics and critical thinking skills, I am well-prepared to embrace the challenges and opportunities at UC Davis.

Thank you for considering my application.