

Investigation into the Psychological, Socio-Demographic, and Traffic Knowledge Factors Influencing Risky Driving Behaviors among Motorcyclists in Dhaka, Bangladesh

Abstract

This study will explore the relationship between psychological, socio-demographic, and other pertinent factors and the aggressive driving behaviors of motorcyclists in Bangladesh, a country experiencing rapid economic growth and a concomitant rise in road infrastructure and vehicle numbers, particularly motorcycles. The increasing popularity of motorcycle riding, driven by ridesharing, delivery services, leisure activities, and post-COVID-19 travel, has significant economic implications. As motorbike usage grows, understanding bikers' attitudes towards driving becomes crucial. This research will investigate the correlation of risky driving behavior with motorcyclists' knowledge of traffic laws, sociodemographic characteristics, driving purpose and attitudes, type of driving education (institutional vs. self-taught), and involvement in accidents. Additionally, our study will evaluate how motorcyclists perceive and adhere to the recently implemented 30 km/hr. speed limit in Dhaka, as well as the appropriateness of this new regulation. By analyzing these factors, the study aims to inform policymakers about the key contributors to non-compliance with traffic regulations, an inclination towards aggressive driving, and an increased risk of accidents among motorcycle riders. This information will help shape the creation of focused interventions that will improve road safety.