

ABSTRACT

Driving behaviour has been a major cause of unsafe driving, which leads to accident(s) on the road. The high rate of road accidents, especially in non-western countries such as Nigeria recorded as much as 38,073 road transport crash injuries in the 4th quarter of 2021; according to the Federal Road Safety Corps (FRSC, 2021). This portrays a need for a solution that would encourage motor vehicle drivers to change from unsafe to safe driving behaviours for a better livelihood in countries like the one mentioned above. We are conducted survey to ascertain exactly what unsafe driving is, the causes and applicable solutions in the context of Nigeria. The survey was administered both online and in-person to 3 categories of stake holders in the road transport sector including drivers, FRSC officials and driving school instructors in Nigeria, with a total sample size of 81. The Driver Behaviour Questionnaire (DBQ) is the basic tool explored and reconfigured to adapt to our peculiar survey needs. Responses from the survey were analysed with Microsoft Excel and the results show that, unsafe driving in Nigeria is everything that has to do with drink driving, disobedience to traffic rules, excessive speed, and use of phone/eating/drinking while driving and lack of vehicle maintenance. Moreso, the causes of unsafe driving in Nigeria are caused by many drivers not having a formal driving school training, night driving, impatience, driving in a convoy and driving along roundabouts. Based on these facts, we recommend, the development of an AI enabled mobile application that can track driving events and drivers' actions such as breaking, cornering, alcohol intake, speed, usage of seatbelt and or phone with drivers' period feedback feature on these activities. The aim is to encourage safer driving in Nigeria which is the focal point of an ongoing PhD at the University of Aberdeen Scotland, United Kingdom.