

Driving Competing Analysis: A Case Study

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Abstract

Purpose: To put the clear and broader picture of competing while driving by conducting its analysis across various demographic characteristics.

Methodology: The current cross sectional research included the conveniently available responses of participants (students and teachers) from Mehran University of Engineering and Technology, Jamshoro. Research instrument i.e. closed ended questionnaire was adopted from Dr. Larson. The instrument was contained of five sections i.e. demographics (gender, age and driving experience), driving anger, driving impatience, competing during driving and punishing while driving. For the scope of present research, the analysis of competing while driving was presented. Statistical package for social sciences (SPSS) version 22 was used as software for data analysis; which included the frequency distribution and mean+SD of various variables of competing while driving.

Findings: It was concluded that young male drivers (23-27) participated more in the competing other drivers on the road; male participants with less experience were also reported to participate more in the competing other drivers on the road. Male drivers from the last age group i.e. (38-42+) were indicated to race more with other drivers in the comparison of other demographic groups; same age group from participants had the maximum mean response (2.29+1.11) about 'I compete with cars in tollbooth lines'. The greater mean response (3.00+1.41) of female drivers was recorded on the question i.e. 'I compete with cars in tollbooth lines'. The response of the female drivers from the age group i.e. (23-27) years was measured to be the greater (2.50+1.20) among all the groups on the question i.e. 'I challenge other drivers'. Moreover, the greater mean response (2.50+2.12) of female drivers from the driving experience group i.e. (11-15) years was computed on the same question.

Importance: Since, competing on the roads can cause serious and sever injuries to the passengers and drivers as well; thus it is highly needed to understand the behaviors of drivers on the subject in the light of demographics. In this regard, present research was conducted so that the detailed analysis of competing while driving could be presented by focusing the varying demographics.

Implications: Since, the exact intensity of the feelings can be observed and recorded at the moment of their expression. The same case is with competing while driving, the response was recorded when the respondents (students) were at canteens and (teachers) at offices. If the response was collected from at the point of expression of feelings of suddenly after the moment, the more accurate response would have been collected.

Limitations: The major limitations included the less sample size and the inclusion of only three demographic characteristics.

Keywords

Driving, racing, traffic, roads, accidents.

Biographies

Muhammad Ahmed Kalwar currently works as an Assistant Manager (Production) in a footwear industry. He has completed the Master of Engineering in Industrial Engineering and Management from the Department of Industrial Engineering and Management from Mehran University of Engineering and Technology, Jamshoro, Sindh, Pakistan. During his Master of Engineering, he has also served as Teaching Assistant in the Department of Industrial Engineering and Management, Mehran University of Engineering and Technology, Jamshoro, Sindh, Pakistan. Earlier, he has also completed his Bachelor of engineering in Industrial Engineering and Management from Mehran University of Engineering and Technology, Jamshoro, Sindh, Pakistan. He has authored and presented various research papers at the national & international conferences and journals.

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Muhammad Ali Khan currently works as Assistant Professor in the Department of Industrial Engineering and Management, Mehran UET, Jamshoro, Sindh, Pakistan. He has more than seventeen years university teaching experience. He has supervised more than a dozen theses at undergraduate level. He is pursuing his PhD in the same department. He has completed his Bachelor of Engineering, Post Graduate Diploma and Master of Engineering in Industrial Engineering and Management. He has also completed his MBA in Industrial Management from IoBM, Karachi, Pakistan. He has authored various research papers for conferences and journals. He has participated in many professional seminars, workshops, symposia and trainings. He is registered with Pakistan Engineering Council and many other professional bodies. He does research in diversified fields of Industrial Engineering. The current projects are related to Lean manufacturing, Six Sigma, Project management, Operations management; MIS and Entrepreneurship. He has also earned various certifications in his areas of research.