**Course Assignment  
Software Engineering Department**

****

**Course Assignment: Are Women Bad At Driving**

Submitted by

**OWAIS ALI | 48927**

Instructor

Ms. Saniya Ashraf

Lecturer, Department of Software Engineering,  
Faculty of Information & Communication Technology,   
BUITEMS, Quetta.

**Session Spring – 2023**

**Are Women Bad At Driving?**

Driving is a normal skill of people to possess and allow people to get around using vehicles. As it is a collaborative activity centered around public roads and highways, people have to be mindful of others around. This generates a great stereotype of half of the earth population of being bad at this basic skill.

To answer the question of “Are female really bad at driving”, we have to use the perspective of a non-native individual on the earth to eliminate biases. Let us say an alien, let’s call him Paul, visits earth for his semester project on the vary topic. He will only use statistics to answer this question. To support if women are bad at driving or not, they are compared to male drivers on general to establish their standing and As he focuses his study on geographical location of Pakistan, he studies some papers on the subject from that location.

**Statistical Data of Pakistan:**

Paul understands people being good or bad at driving by how likely they are to cause accidents, or to be involved in one. He finds out that a study focused on the Hayatabad area, Peshawar states a male to female ratio of 50:7 in fatality in road accidents, and the male drivers were mostly involved in accidents with the number of accidents reaching up to 1249 people while 120 female drivers experienced accident cases.[1] Hence, it is evident that male drivers are more likely to cause accidents then female drivers. Even if there are a low number of female drivers on the road, especially in region of KPK, a similar difference of male to female traffic accidents proves females are no major contribution to traffic accidents.

Another study finds, from medicolegal department of Sandeman provincial Hospital Quetta, out of 1801 traffic accident cases, 1400 male and only 401 females were involved in accidents.[2] Though the numbers prove little to question of female drivers to being good or bad, but they outline the evident statistical evidence of males being more involved in traffic accidents than females.

**Crash Report Data Analysis:**

Paul also got his hands on US CRSS2021 (Crash Report Sampling System 2021) dataset by NHTSA. Given that there is an equal proportion of male and female drivers in US[3], he finds through analysis of the dataset that about 44 thousand reported accidents had male drivers and only 15 thousand had female drivers. Paul also found that 12 thousand violation reported were subjected to female drivers while the ratio for male drivers was double that, about 22 thousand. [4]

**Literature Analysis:**

Looking at academic evidence of the question, male drivers are more skillful but dangerous, risk taking causing them to be involved in more severe accidents, women, on the other hand, had fewer and less serious accidents than males, but they also have lower levels of ability and confidence in certain elements of driving.[5] The statement is backed up by statistical data on UK drivers, with 40% of male drivers as high violators, while it is only 20% for female drivers. The opinions stays consistent over literature, stating, men are high risk takers and exhibiting aggression and showing higher accident statistics.[6]

At this time, Paul is quite evident that if he were to drive on the road at any given time, he has a higher chance to be involved in an accident with a male driver then a female driver. It is hypothesized keeping in mind the number of male and female drivers on the road.

**Why Women Seem That Way:**

Paul is now thinking why is it that females are subjected to criticism from other drivers, he gathers opinions from others drivers and riders. One anonymous motorist said “Females are a bit slower and careful drivers them male. As male are more often aggressive at their driving, they get annoyed by slow and careful drivers and this results in female being portrayed as bad drivers.” This shows the impact of driving safer on the roads. Another added, “Men like to take driving as racing. To be behind the wheel, optimizing their movements and being the fastest person on the track, there is nothing more dangerous on track then a slow car. But, public roads are no tracks and its public safety that should be of upmost priority.” Public opinion on the matter is evident that men, though confident at driving, tend to take unnecessary risks at irrelevant situations, making them bad respectively to women drivers.

**What Could Be Done?**

**Conclusion:**

Hence, Paul is quite confident in his conclusion that women are indeed not bad at driving, at least not worst then men generally. Paul looked at data and their analysis, read respective literature and gathered public opinion, He found women to be not the worst drivers on the road and thus found contradiction to the stereotype “Women are bad at driving” that was constructed by aggressive drivers in a ridicule towards more careful ones. Hence, Paul is now able to leave earth to its partialities and teleport to his planet, exempted of such worries.

References:

[1] M. B. A. Rabbani, M. A. Musarat, W. S. Alaloul, A. Maqsoom, H. Bukhari, and W. Rafiq, “Road traffic accident data analysis and its visualization,” *Civ. Eng. Archit.*, vol. 9, no. 5, pp. 1603–1614, 2021, doi: 10.13189/CEA.2021.090530.

[2] V. C. Nayak, V. G. Reddy, and M. Nirmal Krishnan, “Epidemiological Study of Road Traffic Accident Cases,” *J. Punjab Acad. Forensic Med. Toxicol.*, vol. 21, no. 2, pp. 83–88, 2021, doi: 10.5958/0974-083X.2021.00066.2.

[3] “Total number of U.S. licensed drivers by gender | Statista.” https://www.statista.com/statistics/198017/total-number-of-us-licensed-drivers-in-2009-by-gender/ (accessed Jun. 24, 2023).

[4] “Introduction\_To\_Data\_Science/Are women really bad at driving/Analysis.ipynb at main · engr-owais-ali/Introduction\_To\_Data\_Science · GitHub.” https://github.com/engr-owais-ali/Introduction\_To\_Data\_Science/blob/main/Are women really bad at driving/Analysis.ipynb (accessed Jul. 04, 2023).

[5] M. Meadows and S. G. Stradling, “Are women better drivers than men?,” *Appl. Psychol.*, pp. 1–29, 2000.

[6] P. Marsh, “Sex differences in driving and insurance risk: An analysis of the social and psychological differences between men and women that are relevant to their driving behaviour.,” no. August, pp. 1–24, 2004, [Online]. Available: http://www.sirc.org/publik/driving.pdf