Topic:

- Road accident

Title:

- Attitudes of undergraduate motorcyclists and contributing factors to road accident involving motorcyclists.

Research question:

- What are the attitudes of UPM undergraduate motorcyclists?
- What are the main causes of road accident among motorcyclist in Malaysia?

Research objective:

- To determine the attitude of UPM undergraduate motorcyclists.
- To find out the main causes of road accident among motorcyclist in Malaysia.

Alternative Hypothesis:

- UPM undergraduate motorcyclists have good attitudes.
- Risk taking is the main causes of road accident among motorcyclist in Malaysia.

Null hypothesis:

- Malaysian motorcyclists have good attitudes.
- Malaysian motorcyclists have normal attitudes.
- Poor observation and inattention are not the main causes of road accident.
Dear Sir/Miss,

We are third year students of University Putra Malaysia (UPM) pursuing a degree in Electrical and Electronic Engineering. We are now conducting a survey for our BBI2415 Report Writing assignment 1 entitled “Attitudes of undergraduate motorcyclists and contributing factors to road accident involving motorcyclists.”. The main objectives of this research are to determine the attitude of UPM undergraduate motorcyclists and to find out the main causes of road accident among motorcyclist in Malaysia.

This survey form consists of two parts. They are:

- **Section A: Demographic Details**
- **Section B: Motorcyclist’s Experience**
- **Section C: Motorcyclist’s attitude**
- **Section D: Factors of motorcycle accidents**

Please complete this questionnaire. All the input and feedback for this survey are greatly appreciated.

Information from respondents will remain strictly confidential.

Thank you for your co-operation.
Questionnaires

Section A: Demographic Details
Instruction: Please tick (v) at the appropriate box (Please tick one box only).

1. Gender  □ Male □ Female
2. Age     □ Below 20 □ 21 to 25 □ 26 to 30 □ 31 and above

Section B: Motorcyclist’s Experience
Instruction: Please tick (v) at the appropriate box or answer the question on the space given.

1. How long have you held a motorcycle license? _______ years
2. Did you start riding a motorcycle immediately after acquiring your motorcycle license? (Please tick one box only)
   □ Yes □ No

   If No how long was the gap between acquiring your license and riding a motorcycle?
   _______ years _______ months

3. Do your ride your motorcycle frequently?
   □ Yes □ No

   If No what is the longest period of time you have not ridden for?
   _______ years _______ months

4. Which one of the following describes the type of motorcycle that you ride most frequently? (Please tick one box only)
   □ Cruiser □ Scooter □ Sport bike □ Standard □ Other: __________

   What is your motorcycle engine size?
   □ Motorcycles not exceeding 250 cc
   □ Motorcycles exceeding 250 cc but not exceeding 500 cc
   □ Motorcycles exceeding 500 cc
5. What are your reasons for using a motorcycle? (Please tick all that apply)
   □ Commuting to work  □ To visit friends/relatives  □ Leisure trips
   □ Personal errands  □ Other: ______________

6. Have you ever been involved in a motorcycle accident before?
   □ Yes  □ No
   If Yes did it resulted in an injury to yourself or your pillion passenger(s)?
   □ Yes  □ No

Section C: Motorcyclist's attitude
7. Please tick the boxes next to the two safety measures for motorcyclist that you think are the most important. (Please tick two boxes only)
   □ Properly maintain your motorcycle
   □ Making yourself visible to other road users
   □ Observing the speed limit
   □ Not riding while under the influence of drink or drugs
   □ Not riding while tired
   □ Wearing protective clothing/ helmets/ boots

8. Please tick the boxes next to the two safety measures for motorcyclist that you think are the least important. (Please tick two boxes only)
   □ Properly maintain your motorcycle
   □ Making yourself visible to other road users
   □ Observing the speed limit
   □ Not riding while under the influence of drink or drugs
   □ Not riding while tired
   □ Wearing protective clothing/ helmets/ boots
The following statements state about some riding habits. By using the scale 1 to 4 as shown in the box below, please answer the following truthfully.

<table>
<thead>
<tr>
<th>1 = Always</th>
<th>2 = Frequently (over 50% of the time)</th>
<th>3 = Occasionally (Less than 50% of the time)</th>
<th>4 = Never</th>
</tr>
</thead>
</table>

When you are riding your motorcycle how often do you:

9. You wear bright/reflective clothing when riding a motorcycle.  
10. You wear a helmet when riding a motorcycle.  
11. You ride above the speed limit.  
12. You ride when feeling tired.  
13. You ride while under the influence of alcohol/drugs.  
14. You still overtake other vehicles even though the circumstances doesn’t allow.  
15. You overtake two or more vehicles at the same time.  
16. You overtake near a junction or entrance or bend.  
17. You ensure appropriate speed/distance in bad weather conditions.  
18. You check the blind spot immediately before maneuver (i.e when overtaking, turning or changing lanes).  
19. You give signal of turning intention in plenty of time before maneuvering.  
20. You race with others on public road.  
21. You ensure foreground to distance is checked properly with a sweeping gaze.  
22. You misjudge the speed needed to negotiate a bend in the road.  
23. You recheck to the right before pulling out.  
24. You ride faster when the traffic light turns yellow.  
25. You keep changing lane when riding a motorcycle

Section D: Factors of motorcycle accidents

26. Which of the below are the two main causes of motorcycle accidents? (Please tick two boxes only)
   □ Fail to look properly  □ lack of focus  □ Environmental factor
   □ Poor training  □ Risk taking  □ Other: _______

27. Which category of road user do you think is most likely to cause a motorcyclist to have an accident?
   (Please tick one box only)
   □ Motorcyclist themselves  □ Cyclist  □ Car drivers
   □ Large commercial vehicle driver (eg. Trucks and buses)  □ Pedestrians
   □ Don’t know  □ Other: ________________________