

**SCHOOL OF COMPUTING**

**PROBABILITY & STATISCAL DATA ANALYSIS**

**(SCS12143-10)**

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**GROUP PROJECT 1**

**LECTURE:**

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# INTRODUCTION

 In this project 1, we conduct a survey based-on night activities among students in Universiti Teknologi Malaysia during weekdays. The aim of this project is our group want to know about how the students spend their quality time during the night on weekdays.

# OBJECTIVE

The objective from our project, firstly is to determine the activities that conduct by the students on weekday nights. Second, we also want to study about how many hours that students spend for night activities until they sleep. Thirdly, is to study about the duration of sleep in hours that students get during weekdays. The reason behind our project is that because weekdays are usually stressful for students due to many assignments to be done and examinations to catch up plus, many things to do as human.

# METHODOLOGY

 The population in this project are students which are studying in Universiti Teknologi Malaysia from different ages, faculties, and level of study. The sample size for this project is 63 students. This study adopted a quantitative method through the distribution of questionnaire. We have created a google form survey which asks the students’ information about what are their usual activities during weekday nights, such as the duration of sleep they get, what kind of activities they prioritise on, how much time they spent studying and so on. This survey is then shared to students throughout a variety of media social applications, primarily through WhatsApp and Facebook. After a few weeks, we have obtained the primary data for the project. Then we used SPSS Statistics 24 to generate representation and analysis the data that we collected from the survey into informative data.

# DATA ANALYSIS AND RESULTS

 Firstly, the data of gender for respondents are collected in nominal form either male or female. From the data, 63.5% of respondents are male while 36.5% of respondents are female. The majority from the respondents are male which has 40 respondents while 23 respondents are female. The number of difference between male and female are 17 respondents. Plus, we also collected the ages of the respondents. From the result, the majority are 22 years old (34.9%) while the least is between 21 and 24 above which has 9 respondents (14.3%).

Furthermore, majority from the respondents are from the faculty of computing which has 36 respondents from 63 respondents (58.1%).In addition, we also collected the data of level of study among the respondents. From the data, most of the respondents are studying in degree with has 51 respondents (81%) than diploma which only has 2 respondents (3.2%).

 Another of data analysis is about when the students get their sleep during weekdays. Most of students are choose 12 a.m. and 1 a.m. which has the same percent (33.3%) while only 15.9% of students are sleeps before 11 p.m. This is because students need to do their assignment.

 Other than that, data analysis is about how much the student’s priorities their study. From the data, the amount of students which agree with the statement is 8 respondents, and only 2 respondents are put study as not their priorities. Most of student (42.9%) are put half of their priorities to study. This is because the students sometimes put the other things as their priorities such playing games, social media and many things.

 Next, the third of data analysis is about duration that students spend for their sleep during weekdays. The choice that have highest respondents are 6 hours with 26 respondents (42.6%). This is because, 6 hours are enough for students to recharge their energy levels. However, 7 from the respondents (11.5%) get only 2 hours for their sleep, due to many assignments to be done or they get insomnia which inability to get sleep well at night.

 From our survey, we also asked the respondent about the staying up to study late at night. There are 47 students from the respondents are agreed with this statement because during weekday, student got many things to do such assignments that they need to settle and sometimes they got quiz or test which include many chapter and need them to divide their time to study and do assignments.

 The other of data analysis is to determine activities of students during weekday nights. Study, playing video games and hang out with friends have same data which is 28.6%. This is because sometimes the student can do several activities during a night, such as they can play video games then study. Categories sports, only have 14.3% due many student do sports during the evening on that day. Furthermore, is about duration that student spend for their activities. Most students will spend their times to do their activities between 2, 3 or more than 4 hours while 1 hours only have 9.5% of students from respondents.

 The last of the data analysis are about who do you spend with during do activities night. Most of the respondents are spend their activities during weekdays night with course mates and roommates with 28.6%. However, 16 of the respondents are spend their activities night are alone. This is because their lifestyle which better to be alone rather than with group.

# DISCUSSION AND CONCLUSION

 From this project most of our respondent are from school of computing. Next, we can conclude that, most of the UTM students are spend average total six hours for sleep during weekdays and also majority of the students go to sleep between 12 a.m. to 1 a.m. Other than that, students will spent their activities during weekday’s nights with their course mate and roommates. Lastly, we also conclude students will do more activities during weekday nights such as playing video games, hangout with friends and sports.