

[STA] Submission Acknowledgement

SCIENCE AND TECHNOLOGY ASIA

Tulis

Kotak Masuk 1.417

Berbintang

Ditunda

Penting

Terkirim

Draf 38

Kategori

Sosial 715

Update 1.732

Forum

Promosi 946

Selengkapnya

Label +

86 dari 95

[STA] Submission Acknowledgement

Wutiphol Sintunavarat via Thai Journals Online (ThaJO) -admin@tci-thajo.org- kepada saya

Kam, 19 Nov 2020, 17:58

Inggris > Indonesia Terjemahkan pesan Nonaktifkan untuk: Inggris

Pada Lomba:

Thank you for submitting the manuscript, "Effects of Sleep Deprivation on Probability of Traffic Violations in Motorcyclists: Analysis Using Bayesian Network" to **Science & Technology Asia**. With the online journal management system that we are using, you will be able to track its progress through the editorial process by logging in to the journal web site:

Manuscript URL: <http://cb02.tci-thajo.org/index.php/SciTechAsia/authorDashboard/submission/242474>
Username: padalumba

If you have any questions, please contact me. Thank you for considering this journal as a venue for your work.

Wutiphol Sintunavarat

Science & Technology Asia
Research Administration Division
Thammasat University (Rangsit Campus)
Khlong Nueng, Khlong Luang, Pathum Thani 12120 Thailand
+66-2564-4440-40 Ext. 1810

08:42
07/08/2023

[STA] Editor Decision - padalun: X

SCIENCE AND TECHNOLOGY ASIA

Tulis

Kotak Masuk 1.417

Berbintang

Ditunda

Penting

Terkirim

Draf 38

Kategori

Sosial 715

Update 1.732

Forum

Promosi 946

Selengkapnya

Label +

64 dari 95

[STA] Editor Decision

Chatchada Wuthichokdamrong via Thai Journals Online (ThaJO) -admin@tci-thajo.org- kepada saya, Bambang, Khairul, Arie, Anton, Arifal, ARI, Rismalinda

Jum, 26 Mar 2021, 15:54

Inggris > Indonesia Terjemahkan pesan Nonaktifkan untuk: Inggris

Dear Pada Lomba, Bambang Edison, Khairul Fahmi, Arie Syahrudin, Anton Ariyanto, Arifal Hidayat, ARI Rahmi, Rismalinda,

I am writing to you concerning your paper entitled "Effects of Sleep Deprivation on Probability of Traffic Violations in Motorcyclists: Analysis Using Bayesian Network", which you submitted to **Science & Technology Asia**.

Based on the advice received, we have decided that your manuscript can be accepted for publication after you have carried out the corrections as suggested by the reviewer(s).

Below, please find the reviewers' comments for your manuscript.

Please submit your revised manuscript by accessing the system of **Science & Technology Asia**.

sciencetechnologyasia@gmail.com

Reviewer B:

08:44
07/08/2023

[STA] Editor Decision - padalun X

https://mail.google.com/mail/u/0/#search/SCIENCE+AND+TECHNOLOGY+ASIA/FMfgwLtgkTMjCFrdHbgzpGSvnl 90%

SCIENCE AND TECHNOLOGY ASIA

64 dari 95

Reviewer B:

General Comments

There are many grammatical errors and typographical errors in this article. The authors should consider having an article editing service. In the analysis, the age variable is not employed but it is shown in Table 1. The explanation of the Bayesian network analysis should be provided, especially, how it is applied in this article. How can the authors make the first conclusion in Section 4? Should there be a statistical test?

Detailed Comments:

- In abstract, "violation" should be "violations", "is base on" should be "is based on", "traffic accideny" should be "traffic accident"
- In Section 1, the sentence "Driver fatigue is caused by several factors including: lack of rest, long travel times and monotonous roads [2]" is in the first paragraph, whereas another similar sentence "monotonous roads, long travel duration, and lack of rest can cause fatigue to drivers [2]" is in the third paragraph. These repetitions appear redundant to readers.
- In Section 1, the sentence "Car drivers whose sleep is deprived will enter wrong lanes by 8.1 times greater than those who sleep normally [6]" is in the second paragraph, whereas another similar sentence "Drivers whose sleep is deprived enter wrong lanes by 8.1 times greater than those who sleep normally [6]" is in the fifth paragraph. These repetitions appear redundant to readers.
- In the third paragraph of Section 1, "driving round the bend" should be "driving around the bend".
- Please be specific on the percentage in the sentence (decreased when compared with the previous year??) "Meanwhile in 2013, 2014 and 2015, the number of motorcycle accidents decreased by 12.55%, 9.57% and 14.18%, respectively" in the eighth paragraph in Section 1.
- In the last paragraph in Section 1, "two factors reviewed in this paper were human factor, road and environment" appear confusing. Should it be "three factors"? Or should it be "two factors reviewed in this paper were human factor and road and environment".
- In equation (2.1), the notation "A" should be defined. Is it "A complement" (normally denoted by A^c)?
- The adopted minimum sample size equation seems to be Yamane's equation that is appropriate for estimating a proportion. Should there be a minimal sample size for the Bayesian network analysis?
- On the line after equation (2.2), "82.578" should read "82.578".
- In Table 1, the abbreviations W, W1, W2, W3, W4, LP, LP1, LP2, LP3, SJ, SJ1, SJ2, GM, GM1, GM2, KJ, KJ1, KJ2, L, L1, L2, JP, JP1, JP2, PP, PP1, PP2 and PP3 should explicitly be shown.
- In Table 1, "Traffic violations" should be "Probability of traffic violation"

08:45
07/08/2023

[STA] Editor Decision - padalun X

https://mail.google.com/mail/u/0/#search/SCIENCE+AND+TECHNOLOGY+ASIA/FMfgwLtgkTMjCFrdHbgzpGSvnl 90%

SCIENCE AND TECHNOLOGY ASIA

64 dari 95

Bayesian network analysis?

- On the line after equation (2.2), "82.578" should read "82.578".
- In Table 1, the abbreviations W, W1, W2, W3, W4, LP, LP1, LP2, LP3, SJ, SJ1, SJ2, GM, GM1, GM2, KJ, KJ1, KJ2, L, L1, L2, JP, JP1, JP2, PP, PP1, PP2 and PP3 should explicitly be shown.
- In Table 1, "Traffic violations" should be "Probability of traffic violation"
- The percentage values for no.9 are 50, 23.83 and 26.17, but Fig 1 and the third paragraph of Section 3 show the corresponding percentage values of 50, 26 and 24.
- In No 5 in Table 1, "Hilly and Bending" should read "Hilly or Bending".
- In Figures 1 and 2, in the W box, "W2=7.668" should read "W2=47.668".
- In Figure 1, the definitions of JP, JP1 and JP2 should be provided.
- In Section 3.1, the sentences "driving time also affects air temperature, especially when driving during the day that air temperature is hotter than other times. Fatigue conditions coupled with traffic conditions and hot temperatures will certainly make motorcyclists more fatigued so that they will be at risk of accidents" are in the first paragraph, whereas the similar sentences "driving time also affects air temperature, especially when driving during the day that air temperature is hotter than other times. Fatigue conditions coupled with traffic conditions and hot temperatures will certainly make motorists more fatigued easily so that they will be at risk of accidents" are in the second paragraph. These repetitions appear redundant to readers.
- In the paragraph before Fig 2, "...tends not to increase..." should read "does not tend to increase..."
- In the paragraph before Fig 3 and in Section 4, "6 hours and less" should be "6 hours or less"

Recommendation: Revisions Required

Reviewer D:

1. Too many typos in the abstract.
2. The introduction is confusing with many statistics from different sources and years mixed up together.

The author should reorganize the writing to make it more readable.

08:45
07/08/2023

[STA] Editor Decision - padalun: X

https://mail.google.com/mail/u/0/#search/SCIENCE+AND+TECHNOLOGY+ASIA/FMfgwLtgkTMjCFrdHbgzpG5vnl 90%

Gmail SCIENCE AND TECHNOLOGY ASIA

Tulis

Kotak Masuk 1.417

Berbintang

Ditunda

Penting

Ter kirim

Draf 38

Kategori

Sosial 715

Update 1.732

Forum

Promosi 946

Selengkapnya

Label +

61 dari 95

Reviewer D:

1. Too many typos in the abstract.
2. The introduction is confusing with many statistics from different sources and years mixed up together. The author should reorganize the writing to make it more readable.
3. result of equation 2.2 is 82.6 not 82,578
4. The number of variables, which are used to calculate probability of accident, is set to 3. The author should provide explanation on why these variables are selected over the others.
5. Please provide detail of the questionnaire.
6. Provide detail on how probability of accidents are calculated.
7. The author should analyse data by using Structure learning for bayesian networks.

Recommendation: Resubmit for Review

Science & Technology Asia
Research Administration Division

08:46
07/08/2023