[ISITIA 2021] Invitation to serve as reviewer

1 message

---

isitia@its.ac.id <isitia=its.ac.id@edas.info>   19 March 2021 at 13:31
Reply-To: isitia@its.ac.id
To: Irwan Alnarus Kautsar <irwan@umsida.ac.id>

Dear Dr. Irwan Alnarus Kautsar,

It is our pleasure to take this opportunity to invite you to serve as a reviewer on the technical program committee for ISITIA 2021. You have been recommended for your expertise which we understand falls into the scope of ISITIA 2021.

The 2021 International Seminar on Intelligent Technology and Its Applications (ISITIA) is a conference technically co-sponsored by IEEE and organized by Institut Teknologi Sepuluh Nopember (ITS), Surabaya, Indonesia. The conference will be held virtually on 21-22 July 2021.

Topics covered in ISITIA 2021 are, but not limited to, as follows:

Control Systems Engineering
Robotics, Industrial Applications, Autonomous Vehicles, Network Reliability

Electronics
VLSI, Embedded Systems, Sensors, IoT Devices, Biomedical Circuits, Data Converters, Mixed-Signal Circuits, Microelectronics

Power and Energy Systems
Renewable Energy, High Voltage Engineering, Energy Conversion, AI in Power Systems, Energy Storage, Smart Grid

Telecommunications & Signal Processing
Antenna, Network, Satellite, Image Compression, Wireless Sensor Network

Information Technology
Information Systems, Telematics, Security, ICT, Artificial Intelligence, Virtual Reality, IT in Education

Biomedical Engineering
Biomedical Signal and Image Processing, Medical Imaging, e-Health, Assistive Technology

Please indicate at the URL below whether you can serve on the TPC:
https://edas.info/Tyn.php?tpc=1000838565

We would greatly appreciate if you can indicate your decision of participation within two weeks of the receipt of this email message. If you agree to serve as a reviewer, we will then send your review assignments in a separate email. The full paper submission deadline is 1 April 2020. Therefore we anticipate that review paper assignments will be performed shortly after that date.

If you are unable to serve; do recommend other candidates. We require name, affiliation, email address and relevant track. Please send appropriate information to: isitia@its.ac.id.

Your EDAS user name is irwan@umsida.ac.id .

Thank you very much for your kind consideration. If you had reviewed ISITIA papers in past years, we thank you very much for your effort and contribution, we hope you would agree to serve as reviewer again this year.

Regards,
Dr. Feby Agung Pamuji (General chair)
2021 International Seminar on Intelligent Technology and Its Applications (ISITIA)
Conference Website : http://isitia.its.ac.id/
Email: isitia@its.ac.id

SURAT TUGAS
Nomor : 1529/II.3.AU/06.00/E/TGS/VII/2021

Yang bertanda tangan di bawah ini:

Nama	: Dr. Hindarto, S.Kom., MT.
NIK	: 201562
Jabatan	: Dekan Fakultas Sains dan Teknologi
Nama Perguruan Tinggi	: Universitas Muhammadiyah Sidoarjo

Dengan ini memberikan tugas kepada:

Nama	: Irwan Alnarus Kautsar, S.Kom., M.Kom., Ph.D
NIK	: 211452
Fakultas/Program Studi	: Sains dan Teknologi / Informatika
Nama Perguruan Tinggi	: Universitas Muhammadiyah Sidoarjo

Menjadi Reviewer IEEE The International Seminar on Intelligent Technology and Its Applications 2021 (ISITIA) Jurusan Teknik Elektro Institut Teknologi Sepuluh Nopember (ITS)

Pelaksanaan Tugas : 21-22 Juli 2021

Demikian surat tugas ini kami berikan agar dilaksanakan dengan penuh tanggung jawab. Atas perhatian dan kerjasamanya, disampaikan terima kasih.

Sidoarjo, 19 Juli 2021
Dekan,

Dr. Hindarto, S.Kom., MT

ISITIA 2020 Technical Program Committee and Reviewer

Prof. Mauridhi Purnomo, Institut Teknologi Sepuluh Nopember (Indonesia)

Prof. Gamantyo Hendrantoro, Institut Teknologi Sepuluh Nopember (Indonesia)

Dr. Danny Pudjianto, Imperial College London (United Kingdom)

Dr. Adhi Dharma Wibawa, Institut Teknologi Sepuluh Nopember (Indonesia)

Prof. Shiang-Hwua Yu, National Sun Yat-sen University (Taiwan)

Prof. Wolfgang Bösch, Graz University of Technology (Austria)

Dr. Feby Agung Pamuji, Institut Teknologi Sepuluh Nopember (Indonesia)

Dr. Achmad Affandi, Institut Teknologi Sepuluh Nopember (Indonesia)

Dr. Adhi Wibawa, Institut Teknologi Sepuluh Nopember (Indonesia)

Dr. Agfianto Putra, Universitas Gadjah Mada (Indonesia)

Dr. Alvin Sahroni, Universitas Islam Indonesia Yogyakarta (Indonesia)

Dr. Andi Adriansyah, Universitas Mercu Buana (Indonesia)

Dr. Ardyono Priyadi, Institut Teknologi Sepuluh Nopember (Indonesia)

Dr. Astria Nur Irfansyah, Institut Teknologi Sepuluh Nopember (Indonesia)

Dr. Chastine Fatichah, Institut Teknologi Sepuluh Nopember (Indonesia)

Dr. Dedet Candra Riawan, Institut Teknologi Sepuluh Nopember (Indonesia)

Dr. Dhany Arifianto, Institut Teknologi Sepuluh Nopember (Indonesia)

Dr. Dimas Anton Asfani, Institut Teknologi Sepuluh Nopember (Indonesia)

Dr. Dimas Uman Putra, Institut Teknologi Sepuluh Nopember (Indonesia)

Dr. Djoko Purwanto, Institut Teknologi Sepuluh Nopember (Indonesia)

Dr. Endroyono, Institut Teknologi Sepuluh Nopember (Indonesia)

Dr. Eko Setijadi, Institut Teknologi Sepuluh Nopember (Indonesia)

Dr. Eko Mulyanto Yuniarno, Institut Teknologi Sepuluh Nopember (Indonesia)

Fajar Budiman, Institut Teknologi Sepuluh Nopember (Indonesia)

Handy Wicaksono, Petra Christian University (Indonesia)

Dr. Hendra Kusuma, Institut Teknologi Sepuluh Nopember (Indonesia)

Dr. Heri Suryoatmojo, Institut Teknologi Sepuluh Nopember (Indonesia)

Dr. I Gusti Ngurah Satriyadi, Institut Teknologi Sepuluh Nopember (Indonesia)

Dr. I Made Yulistya Negara, Institut Teknologi Sepuluh Nopember (Indonesia)

Indra Riyanto, Universitas Budi Luhur (Indonesia)

Dr. Irwan Alnarus Kautsar, Universitas Muhammadiyah Sidoarjo (Indonesia)

Dr. Irwan Purnama, Lembaga Ilmu Pengetahuan Indonesia (Indonesia)

Dr. Iwan Setiawan, Universitas Diponegoro (Indonesia)

Dr. Wirawan, Institut Teknologi Sepuluh Nopember (Indonesia)

Dr. I Ketut E. Purnama, Institut Teknologi Sepuluh Nopember (Indonesia)

Dr. Khairul Anam, University of Jember (Indonesia)

Dr. Lee Yeng Seng, Universiti Malaysia Perlis (Malaysia)

Mochammad Wahyudi, Universitas Gadjah Mada (Indonesia)

Dr. Mohd Ashraf Ahmad, Universiti Malaysia Pahang (Malaysia)

Dr. Muhammad Attamimi, Institut Teknologi Sepuluh Nopember (Indonesia)

Muhammad Hilman Fatoni, Institut Teknologi Sepuluh Nopember (Indonesia)

Dr. Muhammad Rivai, Institut Teknologi Sepuluh Nopember (Indonesia)

Prof. Nasaruddin, Syiah Kuala University (Indonesia)

Prasetiyono Hari Mukti, Technische Universitaet Graz (Austria)

Dr. Puji Handayani, Institut Teknologi Sepuluh Nopember (Indonesia)

Dr. Rachmad Setiawan, Institut Teknologi Sepuluh Nopember (Indonesia)

Dr. Ratheesh Kumar Meleppat, University of California Davis (USA)

Dr. Reza Fuad Rachmadi, Institut Teknologi Sepuluh Nopember (Indonesia)

Dr. Ronny Mardiyanto, Institut Teknologi Sepuluh Nopember (Indonesia)

Dr. Rony Wibowo, Institut Teknologi Sepuluh Nopember (Indonesia)

Dr. Selo Sulistyo, Universitas Gadjah Mada (Indonesia)

Prof. Soedibyo, Institut Teknologi Sepuluh Nopember (Indonesia)

Dr. Supeno Mardi Susiki Nugroho, Institut Teknologi Sepuluh Nopember (Indonesia)

Dr. Titiek Suryani, Institut Teknologi Sepuluh Nopember (Indonesia)

Dr. Totok Mujiono, Institut Teknologi Sepuluh Nopember (Indonesia)

Dr. Tri Arief Sardjono, Institut Teknologi Sepuluh Nopember (Indonesia)

Dr. Trihastuti Agustinah, Institut Teknologi Sepuluh Nopember (Indonesia)

Dr. Vita Lystianingrum, Institut Teknologi Sepuluh Nopember (Indonesia)

Prof. Haiping Du, University of Wollongong (Australia)

Dr. Arthur Mourits Rumagit, Universitas Sam ratulangi (Indonesia)

CERTIFICATE

This is to certify that

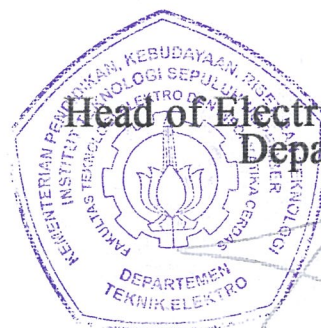## Dr. Irwan Alnarus Kautsar

Has contributed as

Reviewer

In conjunction with the 2021 International Seminar on Intelligent Technology and Its Applications

"Intelligent Systems For The New Normal Era"

Held by Sepuluh Nopember Institute Of Technology (ITS)
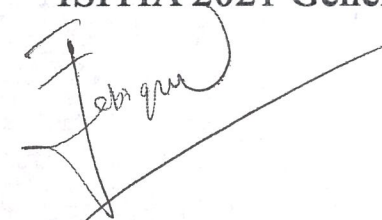
on 21-22 July 2021

Virtual Conference

Head of Electrical Engineering
Department

ISITIA 2021 General Chairman

Dedet Candra Riawan, ST., M.Eng., Ph.D.
NIP. 197311192000031001

Feby Agung Pamuji, ST., MT., Ph.D.
NIP. 198702062012121002

22nd ISITIA 2021

ITS Institut Teknologi Sepuluh Nopember

IEEE INDONESIA SECTION

[ISITIA 2021] Review for paper #1570712263 completed

1 message

isitia@its.ac.id <isitia=its.ac.id@edas.info>   14 May 2021 at 03:47
Reply-To: isitia@its.ac.id
To: Irwan Alnarus Kautsar <irwan@umsida.ac.id>

Dear Dr. Irwan Alnarus Kautsar,

Thank you for completing the review of the paper #1570712263 ("Analysis of EEG-Based Stroke Severity Groups Clustering Using K-Means") for ISITIA 2021. Below is a copy of your review.

You can modify the report by going to https://www.edas.info/R.php?r=10745714 up to the due date of May 14, 2021 17:59:00 WIB.

Best regards,
Dr. Feby Agung Pamuji (General chair)
2021 International Seminar on Intelligent Technology and Its Applications (ISITIA)
Conference Website : http://isitia.its.ac.id/
Email: isitia@its.ac.id

> *** Relevance: Relevance of manuscript to scope of ISITIA 2021 and IEEE in general.
Good match (4)

> *** Novelty: Originality
Not bad (3)

> *** Contribution: to the Intelligent Computational Technology and Electrical Engineering area
Major (4)

> *** Presentation: Readability, English writing
Clear (4)

> *** Accept Score: Should this paper be accepted for ISITIA 2021?
Normal Accept (6)

> *** Main Rejection Reason: If rejected, what is the main reason for the rejection?
Not rejected. (0)

> *** Comments to Author: (Please write details and comments for the authors regarding the manuscript)

The presented paper presents the use of EEG to classify stroke severity levels. The classification is important because it relates to which treatment fits with the patient's conditions. The experiment results claimed that the proposed method has each severity group that can be classified with its characteristics. The presented papers are well written. However, to get more feedback for acclaimed finding, authors need to address a clarity for the presented paper and suggest revising the paper from the reviewer such as following:
 Authors are suggested to use the Office software equation feature to write a formula instead of placing images.

> *** Additional comment to TPC/Track Chair: Please provide additional comments to assist the General chair - Would you like to see this paper at the conference? What track would this paper fit into? Have you any concerns or observations on this paper?
(This comment will not be shown to authors)

The presented paper is well written. However, authors need to carefully check the presented paper for grammatical errors and the layout for ease of reading. Authors are suggested to use the Office software equation feature to write a formula instead of placing images.

> *** Best Paper: Would you recommend this paper for best paper award?
Yes (1)

> *** Grading: Grading Criteria

[ISITIA 2021] Review for paper #1570714457 completed

1 message

---

isitia@its.ac.id <isitia=its.ac.id@edas.info>   13 May 2021 at 21:47
Reply-To: isitia@its.ac.id
To: Irwan Alnarus Kautsar <irwan@umsida.ac.id>

Dear Dr. Irwan Alnarus Kautsar,

Thank you for completing the review of the paper #1570714457 ("Comparison of MLP and DNN for QSAR Modeling in Acetylcholinesterase Inhibitors") for ISITIA 2021. Below is a copy of your review.

You can modify the report by going to https://www.edas.info/R.php?r=10749047 up to the due date of May 14, 2021 17:59:00 WIB.

Best regards,
Dr. Feby Agung Pamuji (General chair)
2021 International Seminar on Intelligent Technology and Its Applications (ISITIA)
Conference Website : http://isitia.its.ac.id/
Email: isitia@its.ac.id

> *** Relevance: Relevance of manuscript to scope of ISITIA 2021 and IEEE in general.
Relevant (3)

> *** Novelty: Originality
Not novel at all (0)

> *** Contribution: to the Intelligent Computational Technology and Electrical Engineering area
Average (3)

> *** Presentation: Readability, English writing
Readable (3)

> *** Accept Score: Should this paper be accepted for ISITIA 2021?
Neutral (4)

> *** Main Rejection Reason: If rejected, what is the main reason for the rejection?
Not rejected. (0)

> *** Comments to Author: (Please write details and comments for the authors regarding the manuscript)

Comparison of MLP and DDN for QSAR Modeling in Acetylcholinesterase Inhibitors
This paper compares the use of MLP and DNN for drug discoveries using QSAR Modelling. The experiment results claimed that the DDN is better than MLP. To get more feedback for acclaimed finding, authors need to address a clarity for the presented paper and suggest revising the paper from the reviewer such as following:
1. On page 2. Section II B. . 4th paragraph. :
".... study, MLP has good performance in accuracy and is also good at generalization." Author needs to add a reference number at the end of these sentences.

2. On page 3. Section II B. 2nd paragraph. :
" This study proposes DNN for the QSAR model in classifying Acetylcholinesterase inhibitors because based the previous study based on previous research, DNN has a good performance compared to other machine learning methods (MLR, SVM, and RF). DNN can classify an unknown pattern with other known patterns that share the same distinguishing features. ". Authors need to add several references to these statements.

3. On page 4. Fig 5: Authors should present the data in a Table format, not an image.

4. On page 5. Table 3. The author suggested bolding the highest value.

5. On page 5. Section IV B :

"The table shows that MLP lead in sensitivity but DNN lead in Specificity, .."
Change into:
" Table 5 shows that MLP lead in sensitivity but DNN lead in Specificity, "

6. On page 5. Section IV B:
"..., the MCC value is better than others to measure model performance because (6) MCC depends on TN, FP, TP, and ...", What the "(6)" mean for?

7. Authors suggested adding one more section for the Conclusion and future works.

> *** Additional comment to TPC/Track Chair: Please provide additional comments to assist the General chair - Would you like to see this paper at the conference? What track would this paper fit into? Have you any concerns or observations on this paper?
(This comment will not be shown to authors)

The presented paper doesn't have a conclusion/future works section. Also, in edas system only stated 1st author's name. But in the submitted paper, state more than 1 author.

> *** Best Paper: Would you recommend this paper for best paper award?
No (0)

> *** Grading: Grading Criteria

[ISITIA 2021] Review for paper #1570714721 completed

1 message

---

isitia@its.ac.id <isitia=its.ac.id@edas.info> 14 May 2021 at 03:13
Reply-To: isitia@its.ac.id
To: Irwan Alnarus Kautsar <irwan@umsida.ac.id>

Dear Dr. Irwan Alnarus Kautsar,

Thank you for completing the review of the paper #1570714721 ("Data Space Transformation Using Polar-Based Cartesian and Image Filtering for Rainfall Clustering") for ISITIA 2021. Below is a copy of your review.

You can modify the report by going to https://www.edas.info/R.php?r=10748661 up to the due date of May 14, 2021 17:59:00 WIB.

Best regards,
Dr. Feby Agung Pamuji (General chair)
2021 International Seminar on Intelligent Technology and Its Applications (ISITIA)
Conference Website : http://isitia.its.ac.id/
Email: isitia@its.ac.id

> *** Relevance: Relevance of manuscript to scope of ISITIA 2021 and IEEE in general.
Relevant (3)

> *** Novelty: Originality
Not bad (3)

> *** Contribution: to the Intelligent Computational Technology and Electrical Engineering area
Average (3)

> *** Presentation: Readability, English writing
Readable (3)

> *** Accept Score: Should this paper be accepted for ISITIA 2021?
Normal Accept (6)

> *** Main Rejection Reason: If rejected, what is the main reason for the rejection?
Not rejected. (0)

> *** Comments to Author: (Please write details and comments for the authors regarding the manuscript)

The presented paper proposes hybrid methods for data space transformation for improving clustering results. The experiment results claimed that the proposed method has significant improvement in clustering performance. Therefore, to get more feedback for acclaimed finding, authors need to address a clarity for the presented paper and suggest revising the paper from the reviewer such as following:
1. In the abstract. :
Add more sentences about why the need for data space transformation and do clustering on rainfall annual data was important. Since the title states both data space and annual rainfall clustering.

2. On the abstract:
"Further studies will focus on applying the proposed methods to SOM and FCM and their performance measurement." is suggested to be removed. Since repetition sentences from section V. Also, in the abstract, it is better not to state something that has not been done.

3. On page 7, 1st paragraph:
"From TABLE VI. , .." it should not contain space.

> *** Additional comment to TPC/Track Chair: Please provide additional comments to assist the General chair - Would you like to see this paper at the conference? What track would this paper fit into? Have you any concerns or observations on this paper?

The presented paper is well written. However, authors need to carefully check the presented paper for grammatical errors and the layout for ease of reading. And the correct link/number while using third-party apps for bibliography management.

> *** Best Paper: Would you recommend this paper for best paper award?
No (0)

> *** Grading: Grading Criteria

[ISITIA 2021] Review for paper #1570719718 completed

1 message

---

isitia@its.ac.id <isitia=its.ac.id@edas.info>   13 May 2021 at 20:58
Reply-To: isitia@its.ac.id
To: Irwan Alnarus Kautsar <irwan@umsida.ac.id>

Dear Dr. Irwan Alnarus Kautsar,

Thank you for completing the review of the paper #1570719718 ("Early Warning Pedestrian Crossing Intention From Its Head Gesture Using Head Pose Estimation") for ISITIA 2021. Below is a copy of your review.

You can modify the report by going to https://www.edas.info/R.php?r=10770027 up to the due date of May 14, 2021 17:59:00 WIB.

Best regards,
Dr. Feby Agung Pamuji (General chair)
2021 International Seminar on Intelligent Technology and Its Applications (ISITIA)
Conference Website : http://isitia.its.ac.id/
Email: isitia@its.ac.id

> *** Relevance: Relevance of manuscript to scope of ISITIA 2021 and IEEE in general.
Good match (4)

> *** Novelty: Originality
Not novel at all (0)

> *** Contribution: to the Intelligent Computational Technology and Electrical Engineering area
Major (4)

> *** Presentation: Readability, English writing
Readable (3)

> *** Accept Score: Should this paper be accepted for ISITIA 2021?
Normal Accept (6)

> *** Main Rejection Reason: If rejected, what is the main reason for the rejection?
Not rejected. (0)

> *** Comments to Author: (Please write details and comments for the authors regarding the manuscript)

The submitted paper discusses the improvement methods for safeness in autonomous self-driving cars, especially for pedestrian crossing. The results showed that the proposed methods were quite successful. However, authors need to address a clarity for the presented paper and suggest revising the paper from the reviewer such as following:
1. In Abstract. 1st sentences. :
"The development of the autonomous driving system is still being developed now, especially in the interaction between the autonomous driving system and pedestrians when they want to cross the road." change into:
"The development of the autonomous driving system is still a hot topic. Especially in the area of the interaction between the autonomous driving system and road crossing pedestrians."

2. On Page 2. 2nd paragraph:
"Unfortunately, much of the research before predict the pedestrian crossing intention that already does cross the road."
The authors need to add several references to these statements.

3. On page 3. Section III B. 1st paragraph:
"In our research, we use WHENet [7] [18] to do our head pose estimation." Suggested to add reference number in the end sentenced.

4. On page 3. Section III B. 1st paragraph:

"WHENet is proposed based on [21] that modifying its loss function from [21]."
The author suggested rephrasing the sentences. Since the unclear meaning of which is based on the term "proposed based on [21]" and "from". Does it use "form" instead of "from"?

5. On page 4. Section IV. A paragraph 2:
"As we can see in Fig.4, our trial result shows the optimum value to get the maximum accuracy is in value K = 19 with 97.2% accuracy. It means our classifier able to predict pedestrian crossing intention by its head gesture, yaw, pitch, and roll." Suggested to be removed. Because it duplicates the sentence on Section IV. B.

6. On page 4. Section IV. B paragraph:
"From the result of our treial to find the best K value, we found that the best K value is 19 with 97.2% accuracy."
changed into :
"As experiment results, the optimum value to get the maximum accuracy is in value K = 19 with 97.2% accuracy (Fig. 4). It means our proposed methods are able to predict pedestrian crossing intention by its head gesture, yaw, pitch, and roll."

6. On page 4. Section IV. B paragraph:
"However, this approach has some weaknesses. First, … pedestrian crossing intention." Where is the "second" discussion about the weakness of the proposed methods? The author only stated one weakness.

> *** Additional comment to TPC/Track Chair: Please provide additional comments to assist the General chair - Would you like to see this paper at the conference? What track would this paper fit into? Have you any concerns or observations on this paper?
(This comment will not be shown to authors)

The submitted paper discusses the improvement methods for safeness in autonomous self-driving cars, especially for pedestrian crossing. The results showed that the proposed methods were quite successful. However, the authors need to address clarity for the presented paper and suggest revising the paper from the reviewer.

> *** Best Paper: Would you recommend this paper for best paper award?
No (0)

> *** Grading: Grading Criteria

[ISITIA 2021] Review for paper #1570719809 completed

1 message

Dear Dr. Irwan Alnarus Kautsar,

Thank you for completing the review of the paper #1570719809 ("Optimization Learning Approaches in Predicting Facebook Metrics From User Posts Behavior") for ISITIA 2021. Below is a copy of your review.

You can modify the report by going to https://www.edas.info/R.php?r=10770018 up to the due date of May 14, 2021 17:59:00 WIB.

Best regards,
Dr. Feby Agung Pamuji (General chair)
2021 International Seminar on Intelligent Technology and Its Applications (ISITIA)
Conference Website : http://isitia.its.ac.id/
Email: isitia@its.ac.id

> *** Relevance: Relevance of manuscript to scope of ISITIA 2021 and IEEE in general.
Somewhat relevant (2)

> *** Novelty: Originality
Not novel at all (0)

> *** Contribution: to the Intelligent Computational Technology and Electrical Engineering area
Average (3)

> *** Presentation: Readability, English writing
Clear (4)

> *** Accept Score: Should this paper be accepted for ISITIA 2021?
Borderline Accept (5)

> *** Main Rejection Reason: If rejected, what is the main reason for the rejection?
Not rejected. (0)

> *** Comments to Author: (Please write details and comments for the authors regarding the manuscript)

The presented paper studies the correlation between productivity and the use of social media on Facebook users. The paper compares the use of SVR and PSO-ELM for analyzing the dataset. The experiment results claimed that one feature positively correlated. To get more feedback for acclaimed finding, authors need to address a clarity for the presented paper and suggest revising the paper from the reviewer such as following:

1. In the abstract. :
Typo on word "postively".
Use "keywords" instead of index term.

2. On Page 2. Formula (3):
Authors should be concerned with the correctness of the written formula layout.

3. On Page 4. Table 3:
Authors should be concerned with the layout of the presented data.
4. On page 5. Section IV 1st Paragraph:
 "Status_covid" What is the meaning of this?

> *** Additional comment to TPC/Track Chair: Please provide additional comments to assist the General chair - Would you like to see this paper at the conference? What track would this paper fit into? Have you any concerns or observations on this paper?

The presented paper is well written. However, authors need to carefully check the presented paper for grammatical errors and the layout for ease of reading.

> *** Best Paper: Would you recommend this paper for best paper award?
No (0)

> *** Grading: Grading Criteria