Article Information

Article Information

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Title

Quadratic Discriminant Analysis of Dengue Viruses Disease Incidence in Palembang

Abstract

Palembang is classified as a city that has a tropical climate and a significant rainfall, even in the driest month there is a lot of rain. These characteristics make the city has a high potential to occurance dengue virus disease.The areas of dengue virus disease incidence in Palembang is classified into five areas; South, Center, North, West, and East. The aim of this paper is to map the dengue virus disease incidence into the areas based on the significant factors using quadratic discriminant analysis. Stratified sampling technique has been employed to get respondents who have the family member experiencing dengue virus disease. The results showed that the mapping of dengue virus disease incidence in each area is significantly affected by all factors, except age of family member who get dengue viruses disease, respondent

Novelty Statement

the mapping of dengue virus disease incidence in each area is significantly affected by all factors, except age of family member who get dengue viruses disease, respondent

Subject Area

Computerized Simulations

Mathematics

Mathematical and Statistical Techniques

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Authors Contribution Form(2).pdf	Revised File	May 20, 2017
Final Approval Form-.pdf	Revised File	May 20, 2017
edit_Yulia_Resti_AJAS_kolaborasi.docx	Revised File	Dec 31, 2016
point-by-point_response_of the authors to commentsfor Manuscript #5284-ajas.docx	Supplementary Material	Dec 31, 2016
Similarity_Report_AJAS_By YULIA RESTI.pdf	Similarity Report	Dec 31, 2016
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Comments Report for Manuscript # 5284-AJAS

No	Reviewer	Authors Comment
	Explanation of Population and Justification of Sample Size to be explained in detail Limitations found missing, it will be good if it gets included.	We've been adding more detailed explanation about the population and sample. We show it on page 2: .... *The survey population were the housewives who had.....*
	Check the values for "Proportion of incidence of dengue virus disease for each area" in Table # 1	Ok. We've fix.
	Figure # 1 to 5 "Mahalanobis Distance" - can be explained in detail.	We've been explained in more detail on page 4: *The plots are not a straight line,...*
	Table and Figures needs to have its format consistent - example the tile of few of the tables are center aligned, few of them are left aligned.	Ok. We've fix.

	Future work / scope for next level not explained - it will be good if this has been explained or highlighted.	We've been explained in more detail on page 6: *... One of the main benefits of mapping the incidence ...*