

Reply

Reply to Legat, B.; Rocher, L. The Limits of Pairwise Correlation to Model the Joint Entropy. Comment on “Nguyen Thi Thanh et al. Entropy Correlation and Its Impacts on Data Aggregation in a Wireless Sensor Network. *Sensors* 2018, 18, 3118”

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In the comment, the authors have mentioned that two claims in our paper are incorrect in general. On behalf of all authors, I would like to reply as follows:

- As mentioned in our paper, claim 1 derives from [1,2] such that the correlation coefficient between one cluster and another cluster can be obtained by the smallest/largest/average correlation coefficient from any member of one cluster to any member of the other. Claim 2 is proved by using claim 1.
- We believe that there is a class of datasets such as environmental parameters (temperature as shown in our paper) and vision data (as shown in [1]) that satisfy claim 1. The next work is to find the properties of these datasets and clarify the application range of our result.

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