

Peer Review

# Review of: "Exploring the Magnitude-Shape Plot Framework for Anomaly Detection in Crowded Video Scenes"

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Qeios ID: AMA2X4 - Qeios\_exploring: The manuscript is easy to follow; however, it requires some additions to properly evaluate it:

1. Anomaly detection based on reconstruction error is a well-established framework. Please highlight the original contribution of this paper.
2. The results in Table 9 are not conclusive of a superior performance of the proposed method. It is necessary to train and test with a random splitting of the data and report the performance variations, and support the conclusion with statistical testing.
3. Briefly elaborate on the hyperparameter tuning.
4. It is not clear to me how  $F(E_i)$  was obtained.
5. Include in the Conclusion an analysis of the weaknesses of the proposed method.

## Declarations

**Potential competing interests:** No potential competing interests to declare.