Review of: "Multivariate Time-Series Data Generation in Generative Adversarial Networks"

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The author uses a completely unsupervised new method, using GAN to generate limited time series data from (Gaussian) noise distribution. The views are as follows :

1. The introduction part should summarize the existing GAN-based time series generation methods, compare the differences between the proposed methods and these methods, and give the innovation of our methods. From the author 's description, the author only uses GAN to generate time series.

2. The existing GAN almost all generate data through noise, why the author says it is a new method

3. The summary should be reorganized. In the abstract part, the author focuses on the problem of inaccurate modeling of industrial processes with limited data, but the text does not mention the description of the relevant content.

4. Please add a description of the CIDS _ 2017 dataset and clarify its relationship with industrial processes.

5. It is not possible to understand from tables 1 and 2 what the authors mean by " We picked the best mini batch size = 32 due to the stability of results during training and testing to apply our proposed methodology. " Please explain stability of results

6. In addition, the author uses the parameters selected by the test set ? Test sets are not visible in real industrial processes.

7. Please give the visualization results that can prove the reliability of the generated data, or the visualization results of the training process.

8. Please place the results of the comparison methods in the same table for a more visual presentation. In addition, what do the results of comparative experiments mean Please give more explanations.