

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

Zhuo Sun¹

¹ Beijing University of Posts and Telecommunications

Potential competing interests: No potential competing interests to declare.

A few suggestions:

1. GAN model itself has unsupervised characteristics, so how to embody unsupervised learning in the proposed model
2. In feedback mechanism, input noise Z and true data X are not in the same magnitude scope, but the KL-divergences as the weighted value just balance these two feedback terms. The rationality of this feedback mechanism in Eq. (5) needs more detailed explanation.
3. All symbolic representations in method descriptions are suggested to be defined clearly.
4. The loss function of this model is not explicitly defined.
5. Comparison experiments are limited and the results cannot reflect that the generated data is effective.