

- **Summary of the report.**

This papers try to predict the trend of Bitcoin. They collect the data by the official API of a platform. They try to use GAN to extract the features. And by combining VAE and LSTM, they are able to predict the trend and achieve good accuracy. Rough path signatures resulted in decent predictions when using LR. Dilated CNN performed badly in this task.

- **Describe the strengths of the report.**

+: Abundant experiments are conducted.

- **Describe the weaknesses of the report.**

-: The structure is so strange. In beginning of the introduction, there is no description for their goal. And details for their dataset are presented. I even don't know what is the goal of this report after finishing the introduction. I don't know whether it's a classification task or regression in the beginning.

-: No title for this report.

-: Explanation is limited. Only results and conclusions are stated.

- **Evaluation on Clarity and quality of writing (1-5)**

2. As I said in the weaknesses part, it is not well organized. It's so hard to understand this paper. This report will be better if it has good writing. P6 "50,62%" should be "50.62%"?

- **Evaluation on Technical Quality (1-5)**

4. I believe that they spent much time on this project, many models are used in this project such as GAN, VAE, LSTM, CNN. They are quite different in someway.

- **Overall rating**

3

- **Confidence on your assessment (1-3)**

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