SAINT is designed to handle tabular data by leveraging attention mechanisms similar to those used in transformers.

It uses both self-attention to model feature interactions within a sample and inter-sample attention to capture dependencies across samples, for example, for capturing temporal dependencies based on timestamps.

First, pretraining

**Synthetic Data for Pretraining**: Since SAINT’s self-supervised tasks don’t require labeled data, synthetic dataset of 1000 records is suitable for initial pretraining.

**Expand Pretraining Data**: To enhance pretraining, consider generating additional synthetic data or using publicly available datasets that are similar in nature to enrich the model’s exposure.

Second, Fine-Tuning on Specific Downstream Tasks

In the process of cloning the repository of SAINT

<https://github.com/somepago/saint>

I figure out it is not generated based on windows, but based on Linux and packages cannot be imported for win64. So, for now, I dropped it.