Identification of the relationship between labels using an algorithm based on self-attention for temporal sets prediction.

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Course: My first scientific paper
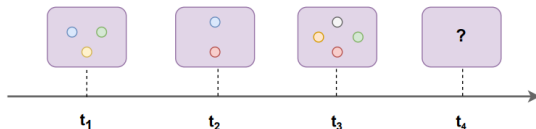(Strijov's practice)/M05-304
Expert: Ph.D. A. Zaytsev

2024

One-slide talk

Data: Timestamped events characterized by sets of labels -
$$S^t = \{(X_j, Y_j)\}_{j=t-\tau}^{t-1}$$

Goal: predict labels for the next event

$$f(X_{t-\tau}, \ldots, X_{t-1}, Y_{t-\tau}, \ldots, Y_{t-1}, \mathbf{z}) \in [0, 1]^K$$

In our case we use cross-entropy loss