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

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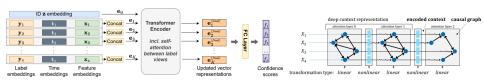
One-slide talk

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

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



In our case we use cross-entropy loss