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Paper title: Explainable predictive process monitoring

This text highlights the importance of equipping predictive business process monitoring with explanation capabilities in order to make it easier for us to understand why it predicts something. We can see, as in another text that I have chosen, the importance of LSTM (Long Short Term Memory) in predictive process monitoring. As we saw in the first text, LSTM is a type of recurrent neural network which provides predictions and explanations based on generic KPI (Key performance Indicators). This type of neural uses data like remaining time, costs and the occurrence of specific activities. LSTM is implemented using Python and has been used for a lot of case studies. In the text we have the predictive financial case study for an Italian financial institution.The AI had to predict the time, the cost and occurrence or not of some undesired activities.

LSTM is known for being able to handle sequential elements being very effective.
All LSTM models are able to give predictions and explain why they are giving those predictions analyzing the data. The fact that we have access to the explanation helps us to understand how those models work and it will help us to gain knowledge from them.

The AI has been built with Python using Pandas to handle data. They used the sharp library in order to explain the predictions and Keras has been used for the LSTM.
In this text, the LSTM model has been designed with eight layers and every layer has 100 neurons.