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Paper title: Explainable predictive business process monitoring using graph neural networks
Keywords specific to the paper: Predictive business process monitoring, explainable artificial intelligence, gated graph neural networks, decision support system, deep learning

The text helps us understand how to use a Deep learning approach named Gated Graph Neural Networks (GGNN) in order to have explainable outcome prediction in business processes. This Ai is capable of representing the sequential flow of a business process allowing analyzing process data.This AI can be used as a foundation for the prediction model and provide explainable predictions to process stakeholders.
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GGNNs is ideal for businesses that want to improve the interpretability and explainability of outcome predictions. Each individual activity is scored and this AI helps stakeholders to understand which are the factors that influence predictions helping them decision making during the process executions. This means that being able to see everything clearly helps us keep an eye on how things are going and find out where problems, slow parts, or unexpected changes might happen.
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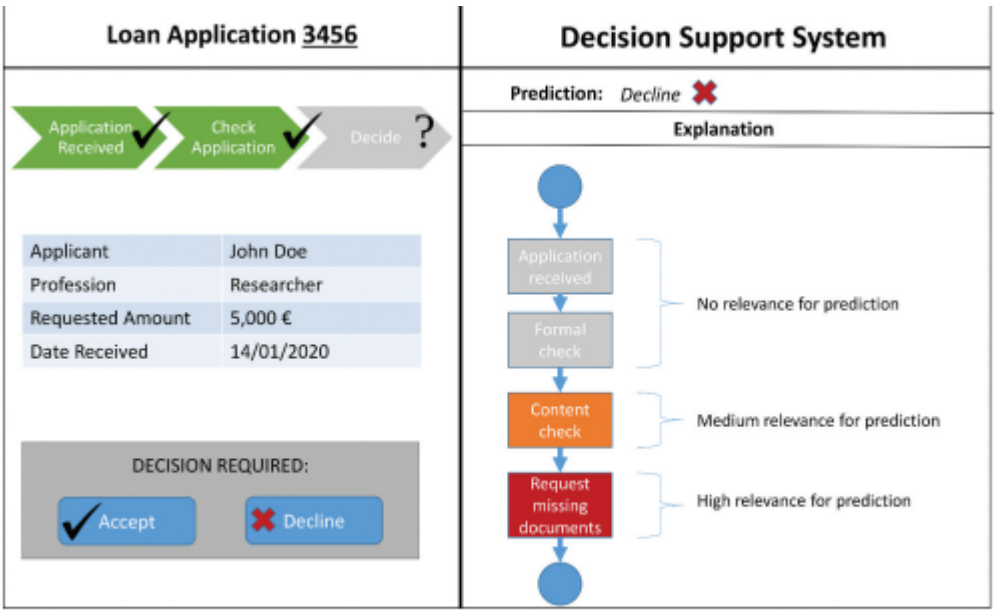

Figure 1. Example of a DSS by using a GGNN-based technique for explainable outcome predictions.

This visual representation summarizes the relevance of activities in a process model, facilitating stakeholders to see clearly critical information and make informed decisions.

GGNNs also support risk management efforts by highlighting potential risks in the process executions and allowing stakeholders to proactively address issues and ensure successful process outcome. We can compare it as waze, telling us to be aware of road works and avoid an accident.

Moreover, GGNNs have real time monitoring capabilities and allow businesses to analyze process data all the time without breaks and identify anomalies during task executions. Think of it like a special way to make pictures that show us which parts of a plan are super important, kind of like a map that highlights the best paths and warns about places where you might get stuck. This helps everyone understand what's going on easily and make good choices to avoid problems, ensuring that everything works out well in the end, even if they don't know anything about the fancy tools used to create these pictures.

In conclusion, GGNNs is like having a tool that can guess what might happen next, why and how to avoid problems. It helps the business to take control of the process and make good choices.