

The use of an Explainable Artificial Intelligence Tool for Decision-making Support in Virtual Learning Environments

Título The use of an Explainable Artificial Intelligence Tool for Decision-making Support in Virtual Learning Environments

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Abstract We have illustrated the use of the ExpliClas XAI tool with a classification dataset that we built with information extracted from open data, provided online by the Open University. ExpliClas provides us with both global and local explanations related to the given dataset. It is worth noting preliminary results are encouraging. ExpliClas automatically generates multimodal explanations which consist of a mixture of graphs and text. These explanations look like natural, expressive and effective, because they are similar to those explanations expected to be provided by humans. However, no feedback is given to students yet. As future work, we will set up an online survey to ask human users (including students, teachers and managers) about the goodness of these explanations. Later, we will integrate them in an online XAI decision-support tool.

DESCARGAS

 Referencia BibTex

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